

TE82988 Selftest rev L_Selftest Report[QUAL_12MAR19][10 49 33 AM][3 12 2019].txt

UUT Report
Station ID: TE82988-12
Serial Number: QUAL_12MAR19
Date: Tuesday, March 12, 2019
Time: 10:49:33 AM
Operator: administrator
Execution Time: 569.840431 seconds
Number of Results: 2132
UUT Result: Passed

Begin Sequence: MainSequence
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Enable System Supplies: Done
Module Time: 0.024424
Enable Lambda PS5: Done
Module Time: 0.305218
Enable Lambda PS6: Done
Module Time: 0.29777
Test NI PXI-2586: Passed
Module Time: 10.513754

Begin Sequence: NI SPST Relays PXI-Slot3
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Reset NI-2586: Done
Module Time: 0.035642
Config SMU CH0: Done
Module Time: 0.0032
Enable SMU Output: Done
Module Time: 0.001488
Close Relay: Done
Module Time: 0.00123
Close /PowerRelays/k0
Test Relay Closed: Passed
Measurement: 0.129709
Units: Ohms
Limits:
Low: 0.25
Comparison Type: LT (<)
Module Time: 0.067832
Open Relay: Done
Module Time: 0.001071
Open /PowerRelays/k0
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067809
Close Relay: Done
Module Time: 0.000481
Close /PowerRelays/k1
Test Relay Closed: Passed
Measurement: 0.132529
Units: Ohms
Limits:
Low: 0.25
Comparison Type: LT (<)
Module Time: 0.067232
Open Relay: Done
Module Time: 0.000498
Open /PowerRelays/k1
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF

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```
Comparison Type: EQ (==)
Module Time: 0.06717
Close Relay: Done
Module Time: 0.000484
Close /PowerRelays/k2
Test Relay Closed: Passed
Measurement: 0.133138
Units: Ohms
Limits:
Low: 0.25
Comparison Type: LT (<)
Module Time: 0.067319
Open Relay: Done
Module Time: 0.000484
Open /PowerRelays/k2
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067163
Close Relay: Done
Module Time: 0.000529
Close /PowerRelays/k3
Test Relay Closed: Passed
Measurement: 0.137368
Units: Ohms
Limits:
Low: 0.25
Comparison Type: LT (<)
Module Time: 0.067038
Open Relay: Done
Module Time: 0.000499
Open /PowerRelays/k3
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.06713
Close Relay: Done
Module Time: 0.000477
Close /PowerRelays/k4
Test Relay Closed: Passed
Measurement: 0.264326
Units: Ohms
Limits:
Low: 0.35
Comparison Type: LT (<)
Module Time: 0.067274
Open Relay: Done
Module Time: 0.000465
Open /PowerRelays/k4
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067134
Close Relay: Done
Module Time: 0.000513
Close /PowerRelays/k5
Test Relay Closed: Passed
Measurement: 0.178473
Units: Ohms
Limits:
Low: 0.25
Comparison Type: LT (<)
Module Time: 0.067252
```

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Open Relay: Done
Module Time: 0.000464
Open /PowerRelays/k5
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.06715
Close Relay: Done
Module Time: 0.00052
Close /PowerRelays/k6
Test Relay Closed: Passed
Measurement: 0.188626
Units: Ohms
Limits:
Low: 0.25
Comparison Type: LT (<)
Module Time: 0.067264
Open Relay: Done
Module Time: 0.000498
Open /PowerRelays/k6
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067142
Close Relay: Done
Module Time: 0.000484
Close /PowerRelays/k7
Test Relay Closed: Passed
Measurement: 0.183221
Units: Ohms
Limits:
Low: 0.25
Comparison Type: LT (<)
Module Time: 0.06726
Open Relay: Done
Module Time: 0.000465
Open /PowerRelays/k7
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067115
Close Relay: Done
Module Time: 0.000588
Close /PowerRelays/k8
Test Relay Closed: Passed
Measurement: 0.190086
Units: Ohms
Limits:
Low: 0.25
Comparison Type: LT (<)
Module Time: 0.06726
Open Relay: Done
Module Time: 0.000482
Open /PowerRelays/k8
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067097
Open Relay: Skipped
Disable SMU Output: Done
Module Time: 0.001475

End Sequence: NI SPST Relays PXI-Slot3

Test Pickering SPDT Relays: Passed
Module Time: 178.992126

Begin Sequence: Pickering SPDT Relays
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Cfg DMM: Done
Module Time: 0.084827
Initialize Pickering SPDT Relay Card: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.081089
Test Card ID: Passed
String: Pickering 40-139-201
Limits:
String: Pickering 40-139-201
Comparison Type: Ignore Case
Module Time: 0.001062
PICKERING INTERFACES,40-139-201,4294967295,1.01
Test NO Side: Passed
Module Time: 89.249328

Begin Sequence: NO Side
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Close Relay: Passed
Module Time: 0.003943
Close Relay 1
Test NO Side Closed: Passed
Measurement: 0.558893
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.776965
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 1 Closed
Open Relay: Passed
Module Time: 0.003671
Open Relay 1
Test NO side Open: Passed
Measurement: 98999999999999993000000000000000000000
Limits:
Low: 98999999999999993000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.780796
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 1 Open
Close Relay: Passed
Module Time: 0.00305
Close Relay 2
Test NO Side Closed: Passed
Measurement: 0.57702
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.78079

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```
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 2 Closed
Open Relay: Passed
Module Time: 0.003064
Open Relay 2
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778905
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 2 Open
Close Relay: Passed
Module Time: 0.003048
Close Relay 3
Test NO Side Closed: Passed
Measurement: 0.592678
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.783642
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 3 Closed
Open Relay: Passed
Module Time: 0.003059
Open Relay 3
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.779709
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 3 Open
Close Relay: Passed
Module Time: 0.00305
Close Relay 4
Test NO Side Closed: Passed
Measurement: 0.566189
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.769916
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 4 Closed
Open Relay: Passed
Module Time: 0.003052
Open Relay 4
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
```

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```
      Low: 9899999999999999300000000000000000000000
      Comparison Type: EQ (==)
      Module Time: 0.779813
      Number of Loops: 1
      Number of Passes: 1
      Number of Failures: 0
      Final Loop Index: 1
      Test Channel 4 Open
Close Relay: Passed
      Module Time: 0.003049
      Close Relay 5
Test NO Side Closed: Passed
      Measurement: 0.576822
      Units: Ohms
      Limits:
      Low: 1.25
      Comparison Type: LT (<)
      Module Time: 0.784734
      Number of Loops: 1
      Number of Passes: 1
      Number of Failures: 0
      Final Loop Index: 1
      Test Channel 5 Closed
Open Relay: Passed
      Module Time: 0.003055
      Open Relay 5
Test NO side Open: Passed
      Measurement: 9899999999999999300000000000000000000000
      Limits:
      Low: 9899999999999999300000000000000000000000
      Comparison Type: EQ (==)
      Module Time: 0.787658
      Number of Loops: 1
      Number of Passes: 1
      Number of Failures: 0
      Final Loop Index: 1
      Test Channel 5 Open
Close Relay: Passed
      Module Time: 0.003049
      Close Relay 6
Test NO Side Closed: Passed
      Measurement: 0.593527
      Units: Ohms
      Limits:
      Low: 1.25
      Comparison Type: LT (<)
      Module Time: 0.785719
      Number of Loops: 1
      Number of Passes: 1
      Number of Failures: 0
      Final Loop Index: 1
      Test Channel 6 Closed
Open Relay: Passed
      Module Time: 0.003057
      Open Relay 6
Test NO side Open: Passed
      Measurement: 9899999999999999300000000000000000000000
      Limits:
      Low: 9899999999999999300000000000000000000000
      Comparison Type: EQ (==)
      Module Time: 0.782477
      Number of Loops: 1
      Number of Passes: 1
      Number of Failures: 0
      Final Loop Index: 1
      Test Channel 6 Open
Close Relay: Passed
      Module Time: 0.003051
      Close Relay 7
```

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Test NO Side Closed:      Passed
Measurement:             0.559893
Units:                   Ohms
Limits:
  Low:                   1.25
Comparison Type:         LT (<)
Module Time:             0.783484
Number of Loops:         1
Number of Passes:        1
Number of Failures:      0
Final Loop Index:        1
Test Channel 7 Closed
Open Relay:              Passed
Module Time:             0.003066
Open Relay 7
Test NO side Open:        Passed
Measurement:             9899999999999993000000000000000000000000
Limits:
  Low:                   9899999999999993000000000000000000000000
Comparison Type:         EQ (==)
Module Time:             0.778916
Number of Loops:         1
Number of Passes:        1
Number of Failures:      0
Final Loop Index:        1
Test Channel 7 Open
Close Relay:             Passed
Module Time:             0.00305
Close Relay 8
Test NO Side Closed:      Passed
Measurement:             0.577802
Units:                   Ohms
Limits:
  Low:                   1.25
Comparison Type:         LT (<)
Module Time:             0.776857
Number of Loops:         1
Number of Passes:        1
Number of Failures:      0
Final Loop Index:        1
Test Channel 8 Closed
Open Relay:              Passed
Module Time:             0.003063
Open Relay 8
Test NO side Open:        Passed
Measurement:             9899999999999993000000000000000000000000
Limits:
  Low:                   9899999999999993000000000000000000000000
Comparison Type:         EQ (==)
Module Time:             0.77977
Number of Loops:         1
Number of Passes:        1
Number of Failures:      0
Final Loop Index:        1
Test Channel 8 Open
Close Relay:             Passed
Module Time:             0.003058
Close Relay 9
Test NO Side Closed:      Passed
Measurement:             0.594126
Units:                   Ohms
Limits:
  Low:                   1.25
Comparison Type:         LT (<)
Module Time:             0.779776
Number of Loops:         1
Number of Passes:        1
Number of Failures:      0
Final Loop Index:        1

```

```

Test Channel 9 Closed
Open Relay: Passed
Module Time: 0.003065
Open Relay 9
Test NO side Open: Passed
Measurement: 98999999999999930000000000000000000000
Limits:
Low: 98999999999999930000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.780478
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 9 Open
Close Relay: Passed
Module Time: 0.003057
Close Relay 10
Test NO Side Closed: Passed
Measurement: 0.562116
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.795466
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 10 Closed
Open Relay: Passed
Module Time: 0.003058
Open Relay 10
Test NO side Open: Passed
Measurement: 98999999999999930000000000000000000000
Limits:
Low: 98999999999999930000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.777704
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 10 Open
Close Relay: Passed
Module Time: 0.003056
Close Relay 11
Test NO Side Closed: Passed
Measurement: 0.57892
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.786465
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 11 Closed
Open Relay: Passed
Module Time: 0.003062
Open Relay 11
Test NO side Open: Passed
Measurement: 98999999999999930000000000000000000000
Limits:
Low: 98999999999999930000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.78076
Number of Loops: 1

```

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```
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 11 Open
Close Relay: Passed
Module Time: 0.003053
Close Relay 12
Test NO Side Closed: Passed
Measurement: 0.596541
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.77686
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 12 Closed
Open Relay: Passed
Module Time: 0.003059
Open Relay 12
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.780902
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 12 Open
Close Relay: Passed
Module Time: 0.003052
Close Relay 13
Test NO Side Closed: Passed
Measurement: 0.564954
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.786195
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 13 Closed
Open Relay: Passed
Module Time: 0.00307
Open Relay 13
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.77996
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 13 Open
Close Relay: Passed
Module Time: 0.003059
Close Relay 14
Test NO Side Closed: Passed
Measurement: 0.582622
Units: Ohms
Limits:
```

```

    Low: 1.25
    Comparison Type: LT (<)
    Module Time: 0.77971
    Number of Loops: 1
    Number of Passes: 1
    Number of Failures: 0
    Final Loop Index: 1
    Test Channel 14 Closed
Open Relay: Passed
    Module Time: 0.00306
    Open Relay 14
Test NO side Open: Passed
    Measurement: 9899999999999999300000000000000000000000
    Limits:
        Low: 9899999999999999300000000000000000000000
        Comparison Type: EQ (==)
        Module Time: 0.777742
        Number of Loops: 1
        Number of Passes: 1
        Number of Failures: 0
        Final Loop Index: 1
        Test Channel 14 Open
Close Relay: Passed
    Module Time: 0.003065
    Close Relay 15
Test NO Side Closed: Passed
    Measurement: 0.599333
    Units: Ohms
    Limits:
        Low: 1.25
        Comparison Type: LT (<)
        Module Time: 0.776856
        Number of Loops: 1
        Number of Passes: 1
        Number of Failures: 0
        Final Loop Index: 1
        Test Channel 15 Closed
Open Relay: Passed
    Module Time: 0.003065
    Open Relay 15
Test NO side Open: Passed
    Measurement: 9899999999999999300000000000000000000000
    Limits:
        Low: 9899999999999999300000000000000000000000
        Comparison Type: EQ (==)
        Module Time: 0.784145
        Number of Loops: 1
        Number of Passes: 1
        Number of Failures: 0
        Final Loop Index: 1
        Test Channel 15 Open
Close Relay: Passed
    Module Time: 0.003063
    Close Relay 16
Test NO Side Closed: Passed
    Measurement: 0.567274
    Units: Ohms
    Limits:
        Low: 1.25
        Comparison Type: LT (<)
        Module Time: 0.790937
        Number of Loops: 1
        Number of Passes: 1
        Number of Failures: 0
        Final Loop Index: 1
        Test Channel 16 Closed
Open Relay: Passed
    Module Time: 0.00307
    Open Relay 16

```

```

Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999999999300000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.777973
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 16 Open
Close Relay: Passed
Module Time: 0.003057
Close Relay 17
Test NO Side Closed: Passed
Measurement: 0.588433
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.779806
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 17 Closed
Open Relay: Passed
Module Time: 0.003057
Open Relay 17
Test NO side Open: Passed
Measurement: 9899999999999999999999300000000000000000000000000
Limits:
  Low: 9899999999999999999999300000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.779793
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 17 Open
Close Relay: Passed
Module Time: 0.003066
Close Relay 18
Test NO Side Closed: Passed
Measurement: 0.60355
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.779803
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 18 Closed
Open Relay: Passed
Module Time: 0.003065
Open Relay 18
Test NO side Open: Passed
Measurement: 9899999999999999999999300000000000000000000000000
Limits:
  Low: 9899999999999999999999300000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.783884
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 18 Open

```

```

Close Relay: Passed
Module Time: 0.003052
Close Relay 19
Test NO Side Closed: Passed
Measurement: 0.569894
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.776256
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 19 Closed
Open Relay: Passed
Module Time: 0.003061
Open Relay 19
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.786672
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 19 Open
Close Relay: Passed
Module Time: 0.003052
Close Relay 20
Test NO Side Closed: Passed
Measurement: 0.588051
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.777601
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 20 Closed
Open Relay: Passed
Module Time: 0.003041
Open Relay 20
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.787652
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 20 Open
Close Relay: Passed
Module Time: 0.003057
Close Relay 21
Test NO Side Closed: Passed
Measurement: 0.604285
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.780145
Number of Loops: 1

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```
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 21 Closed
Open Relay: Passed
Module Time: 0.003069
Open Relay 21
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 989999999999999999993000000000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.783724
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 21 Open
Close Relay: Passed
Module Time: 0.003052
Close Relay 22
Test NO Side Closed: Passed
Measurement: 0.573965
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.783262
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 22 Closed
Open Relay: Passed
Module Time: 0.003063
Open Relay 22
Test NO side Open: Passed
Measurement: 989999999999999999993000000000000000000000000000000
Limits:
Low: 989999999999999999999930000000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.78284
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 22 Open
Close Relay: Passed
Module Time: 0.003057
Close Relay 23
Test NO Side Closed: Passed
Measurement: 0.589919
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.784617
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 23 Closed
Open Relay: Passed
Module Time: 0.003055
Open Relay 23
Test NO side Open: Passed
Measurement: 989999999999999999993000000000000000000000000000000
Limits:
Low: 989999999999999999999930000000000000000000000000000
```

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Comparison Type: EQ (==)
Module Time: 0.781706
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 23 Open
Close Relay: Passed
Module Time: 0.003052
Close Relay 24
Test NO Side Closed: Passed
Measurement: 0.607582
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.784679
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 24 Closed
Open Relay: Passed
Module Time: 0.003057
Open Relay 24
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778692
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 24 Open
Close Relay: Passed
Module Time: 0.003054
Close Relay 25
Test NO Side Closed: Passed
Measurement: 0.579146
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.784899
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 25 Closed
Open Relay: Passed
Module Time: 0.003061
Open Relay 25
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.784697
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 25 Open
Close Relay: Passed
Module Time: 0.003053
Close Relay 26
Test NO Side Closed: Passed
```

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```
Measurement: 0.596314
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.78186
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 26 Closed
Open Relay: Passed
Module Time: 0.00307
Open Relay 26
Test NO side Open: Passed
Measurement: 9899999999999993000000000000000000000000
Limits:
  Low: 9899999999999993000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.780999
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 26 Open
Close Relay: Passed
Module Time: 0.003066
Close Relay 27
Test NO Side Closed: Passed
Measurement: 0.61285
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.782701
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 27 Closed
Open Relay: Passed
Module Time: 0.003063
Open Relay 27
Test NO side Open: Passed
Measurement: 9899999999999993000000000000000000000000
Limits:
  Low: 9899999999999993000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.775931
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 27 Open
Close Relay: Passed
Module Time: 0.003063
Close Relay 28
Test NO Side Closed: Passed
Measurement: 0.581488
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.779175
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 28 Closed
```

```

Open Relay: Passed
Module Time: 0.003081
Open Relay 28
Test NO side Open: Passed
Measurement: 9899999999999993000000000000000000000000
Limits:
Low: 9899999999999993000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.780165
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 28 Open
Close Relay: Passed
Module Time: 0.003061
Close Relay 29
Test NO Side Closed: Passed
Measurement: 0.601927
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.78096
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 29 Closed
Open Relay: Passed
Module Time: 0.003067
Open Relay 29
Test NO side Open: Passed
Measurement: 9899999999999993000000000000000000000000
Limits:
Low: 9899999999999993000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.781458
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 29 Open
Close Relay: Passed
Module Time: 0.00307
Close Relay 30
Test NO Side Closed: Passed
Measurement: 0.614514
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.780561
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 30 Closed
Open Relay: Passed
Module Time: 0.003072
Open Relay 30
Test NO side Open: Passed
Measurement: 9899999999999993000000000000000000000000
Limits:
Low: 9899999999999993000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.775197
Number of Loops: 1
Number of Passes: 1

```

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```
Number of Failures: 0
Final Loop Index: 1
Test Channel 30 Open
Close Relay: Passed
Module Time: 0.003061
Close Relay 31
Test NO Side Closed: Passed
Measurement: 0.584692
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.781858
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 31 Closed
Open Relay: Passed
Module Time: 0.00307
Open Relay 31
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.782684
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 31 Open
Close Relay: Passed
Module Time: 0.003064
Close Relay 32
Test NO Side Closed: Passed
Measurement: 0.601513
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.780624
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 32 Closed
Open Relay: Passed
Module Time: 0.003077
Open Relay 32
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.772958
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 32 Open
Close Relay: Passed
Module Time: 0.003062
Close Relay 33
Test NO Side Closed: Passed
Measurement: 0.621922
Units: Ohms
Limits:
Low: 1.25
```

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```
Comparison Type: LT (<)
Module Time: 0.778764
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 33 Closed
Open Relay: Passed
Module Time: 0.003065
Open Relay 33
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778836
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 33 Open
Close Relay: Passed
Module Time: 0.003061
Close Relay 34
Test NO side Closed: Passed
Measurement: 0.625308
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.785916
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 34 Closed
Open Relay: Passed
Module Time: 0.003036
Open Relay 34
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.782964
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 34 Open
Close Relay: Passed
Module Time: 0.003062
Close Relay 35
Test NO side Closed: Passed
Measurement: 0.639718
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.781352
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 35 Closed
Open Relay: Passed
Module Time: 0.003073
Open Relay 35
Test NO side Open: Passed
```

```

Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 989999999999999999999930000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.783674
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 35 Open
Close Relay: Passed
Module Time: 0.00306
Close Relay 36
Test NO Side Closed: Passed
Measurement: 0.643683
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.787986
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 36 Closed
Open Relay: Passed
Module Time: 0.003065
Open Relay 36
Test NO side Open: Passed
Measurement: 989999999999999999999930000000000000000000000
Limits:
  Low: 989999999999999999999930000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.777918
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 36 Open
Close Relay: Passed
Module Time: 0.003059
Close Relay 37
Test NO Side Closed: Passed
Measurement: 0.624773
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.780644
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 37 Closed
Open Relay: Passed
Module Time: 0.003066
Open Relay 37
Test NO side Open: Passed
Measurement: 989999999999999999999930000000000000000000000
Limits:
  Low: 989999999999999999999930000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.781463
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 37 Open
Close Relay: Passed

```

```

Module Time: 0.00307
Close Relay 38
Test NO Side Closed: Passed
Measurement: 0.631369
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.783846
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 38 Closed
Open Relay: Passed
Module Time: 0.003094
Open Relay 38
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.779966
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 38 Open
Close Relay: Passed
Module Time: 0.003065
Close Relay 39
Test NO Side Closed: Passed
Measurement: 0.646539
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.780779
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 39 Closed
Open Relay: Passed
Module Time: 0.003105
Open Relay 39
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.782663
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 39 Open
Close Relay: Passed
Module Time: 0.003066
Close Relay 40
Test NO Side Closed: Passed
Measurement: 0.648142
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.778797
Number of Loops: 1
Number of Passes: 1

```

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```
Number of Failures: 0
Final Loop Index: 1
Test Channel 40 Closed
Open Relay: Passed
Module Time: 0.003071
Open Relay 40
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.776869
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 40 Open
Close Relay: Passed
Module Time: 0.003063
Close Relay 41
Test NO Side Closed: Passed
Measurement: 0.629536
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.781855
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 41 Closed
Open Relay: Passed
Module Time: 0.003067
Open Relay 41
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.788604
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 41 Open
Close Relay: Passed
Module Time: 0.003068
Close Relay 42
Test NO Side Closed: Passed
Measurement: 0.632354
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.782164
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 42 Closed
Open Relay: Passed
Module Time: 0.003072
Open Relay 42
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
```

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Module Time:	0.778733
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Test Channel 42 Open	
Close Relay:	Passed
Module Time:	0.003067
Close Relay 43	
Test NO Side Closed:	Passed
Measurement:	0.649346
Units:	Ohms
Limits:	
Low:	1.25
Comparison Type:	LT (<)
Module Time:	0.782823
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Test Channel 43 Closed	
Open Relay:	Passed
Module Time:	0.003072
Open Relay 43	
Test NO side Open:	Passed
Measurement:	9899999999999999300000000000000000000000
Limits:	
Low:	9899999999999999300000000000000000000000
Comparison Type:	EQ (==)
Module Time:	0.778798
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Test Channel 43 Open	
Close Relay:	Passed
Module Time:	0.003073
Close Relay 44	
Test NO Side Closed:	Passed
Measurement:	0.651599
Units:	Ohms
Limits:	
Low:	1.25
Comparison Type:	LT (<)
Module Time:	0.779699
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Test Channel 44 Closed	
Open Relay:	Passed
Module Time:	0.003099
Open Relay 44	
Test NO side Open:	Passed
Measurement:	9899999999999999300000000000000000000000
Limits:	
Low:	9899999999999999300000000000000000000000
Comparison Type:	EQ (==)
Module Time:	0.780797
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Test Channel 44 Open	
Close Relay:	Passed
Module Time:	0.003065
Close Relay 45	
Test NO Side Closed:	Passed
Measurement:	0.636654

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```

Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.781562
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 45 Closed
Open Relay: Passed
Module Time: 0.003095
Open Relay 45
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.782592
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 45 Open
Close Relay: Passed
Module Time: 0.003067
Close Relay 46
Test NO Side Closed: Passed
Measurement: 0.635979
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.781065
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 46 Closed
Open Relay: Passed
Module Time: 0.00307
Open Relay 46
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.779248
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 46 Open
Close Relay: Passed
Module Time: 0.003065
Close Relay 47
Test NO Side Closed: Passed
Measurement: 0.654994
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.781758
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 47 Closed
Open Relay: Passed

```

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```
Module Time: 0.003073
Open Relay 47
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 989999999999999999999930000000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778845
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 47 Open
Close Relay: Passed
Module Time: 0.003079
Close Relay 48
Test NO Side Closed: Passed
Measurement: 0.654155
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.777745
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 48 Closed
Open Relay: Passed
Module Time: 0.003077
Open Relay 48
Test NO side Open: Passed
Measurement: 989999999999999999999930000000000000000000000000000
Limits:
Low: 989999999999999999999999300000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.777476
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 48 Open
Close Relay: Passed
Module Time: 0.003076
Close Relay 49
Test NO Side Closed: Passed
Measurement: 0.608843
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.786613
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 49 Closed
Open Relay: Passed
Module Time: 0.003076
Open Relay 49
Test NO side Open: Passed
Measurement: 989999999999999999999930000000000000000000000000000
Limits:
Low: 989999999999999999999999300000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.77992
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
```

```

Final Loop Index: 1
Test Channel 49 Open
Close Relay: Passed
Module Time: 0.00308
Close Relay 50
Test NO Side Closed: Passed
Measurement: 0.62648
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.776366
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 50 Closed
Open Relay: Passed
Module Time: 0.003075
Open Relay 50
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.784081
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 50 Open
Close Relay: Passed
Module Time: 0.003069
Close Relay 51
Test NO Side Closed: Passed
Measurement: 0.623561
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.78277
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 51 Closed
Open Relay: Passed
Module Time: 0.003074
Open Relay 51
Test NO side Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.779783
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 51 Open
Close Relay: Passed
Module Time: 0.003067
Close Relay 52
Test NO Side Closed: Passed
Measurement: 0.362026
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)

```

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Module Time: 0.774891
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 52 Closed
Open Relay: Passed
Module Time: 0.003073
Open Relay 52
Test NO side Open: Passed
Measurement: 98999999999999993000000000000000000000
Limits:
Low: 98999999999999993000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.7778
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 52 Open

End Sequence: NO Side

Test NC Side: Passed
Module Time: 89.475528

Begin Sequence: NC Side
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Close All Relays: Passed
Module Time: 0.155015
Number of Loops: 52
Number of Passes: 52
Number of Failures: 0
Final Loop Index: 52
Close Relay 52
Open Relay: Passed
Module Time: 0.003755
Open Relay 1
Test NC side Open: Passed
Measurement: 0.557153
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.78373
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 1 Open
Close Relay: Passed
Module Time: 0.003676
Close Relay 1
Test NC side Closed: Passed
Measurement: 98999999999999993000000000000000000000
Limits:
Low: 98999999999999993000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.788709
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 1 Closed
Open Relay: Passed
Module Time: 0.003067
Open Relay 2
Test NC side Open: Passed
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```

Measurement: 0.572544
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.783146
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 2 Open
Close Relay: Passed
Module Time: 0.003068
  Close Relay 2
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.779312
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 2 Closed
Open Relay: Passed
Module Time: 0.003063
  Open Relay 3
Test NC side Open: Passed
Measurement: 0.58982
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.776905
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 3 Open
Close Relay: Passed
Module Time: 0.0031
  Close Relay 3
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.775952
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 3 Closed
Open Relay: Passed
Module Time: 0.003068
  Open Relay 4
Test NC side Open: Passed
Measurement: 0.554315
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.787838
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 4 Open

```

Close Relay: Passed
Module Time: 0.003076
Close Relay 4
Test NC side Closed: Passed
Measurement: 98999999999999930000000000000000000000
Limits:
Low: 98999999999999930000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.775937
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 4 Closed
Open Relay: Passed
Module Time: 0.003064
Open Relay 5
Test NC side Open: Passed
Measurement: 0.570251
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.775131
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 5 Open
Close Relay: Passed
Module Time: 0.003072
Close Relay 5
Test NC side Closed: Passed
Measurement: 98999999999999930000000000000000000000
Limits:
Low: 98999999999999930000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.785728
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 5 Closed
Open Relay: Passed
Module Time: 0.003109
Open Relay 6
Test NC side Open: Passed
Measurement: 0.588214
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.782795
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 6 Open
Close Relay: Passed
Module Time: 0.003076
Close Relay 6
Test NC side Closed: Passed
Measurement: 98999999999999930000000000000000000000
Limits:
Low: 98999999999999930000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.774928
Number of Loops: 1
Number of Passes: 1

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Number of Failures: 0
Final Loop Index: 1
  Test Channel 6 Closed
Open Relay: Passed
Module Time: 0.003065
Open Relay 7
Test NC side Open: Passed
Measurement: 0.553623
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.782641
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 7 Open
Close Relay: Passed
Module Time: 0.003071
Close Relay 7
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.781841
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 7 Closed
Open Relay: Passed
Module Time: 0.003061
Open Relay 8
Test NC side Open: Passed
Measurement: 0.570226
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.782724
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 8 Open
Close Relay: Passed
Module Time: 0.003072
Close Relay 8
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.779959
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 8 Closed
Open Relay: Passed
Module Time: 0.003063
Open Relay 9
Test NC side Open: Passed
Measurement: 0.586872
Units: Ohms
Limits:
  Low: 1.25

```

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Comparison Type:      LT (<)
Module Time:          0.779407
Number of Loops:      1
Number of Passes:     1
Number of Failures:   0
Final Loop Index:     1
  Test Channel 9 Open
Close Relay:          Passed
Module Time:          0.003077
  Close Relay 9
Test NC side Closed:  Passed
Measurement:          98999999999999930000000000000000000000
Limits:
  Low:                98999999999999930000000000000000000000
Comparison Type:      EQ (==)
Module Time:          0.780402
Number of Loops:      1
Number of Passes:     1
Number of Failures:   0
Final Loop Index:     1
  Test Channel 9 Closed
Open Relay:           Passed
Module Time:          0.003067
  Open Relay 10
Test NC side Open:    Passed
Measurement:          0.552208
Units:                Ohms
Limits:
  Low:                1.25
Comparison Type:      LT (<)
Module Time:          0.778826
Number of Loops:      1
Number of Passes:     1
Number of Failures:   0
Final Loop Index:     1
  Test Channel 10 Open
Close Relay:          Passed
Module Time:          0.003067
  Close Relay 10
Test NC side Closed:  Passed
Measurement:          98999999999999930000000000000000000000
Limits:
  Low:                98999999999999930000000000000000000000
Comparison Type:      EQ (==)
Module Time:          0.778582
Number of Loops:      1
Number of Passes:     1
Number of Failures:   0
Final Loop Index:     1
  Test Channel 10 Closed
Open Relay:           Passed
Module Time:          0.003072
  Open Relay 11
Test NC side Open:    Passed
Measurement:          0.571341
Units:                Ohms
Limits:
  Low:                1.25
Comparison Type:      LT (<)
Module Time:          0.787637
Number of Loops:      1
Number of Passes:     1
Number of Failures:   0
Final Loop Index:     1
  Test Channel 11 Open
Close Relay:          Passed
Module Time:          0.003076
  Close Relay 11
Test NC side Closed:  Passed

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Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 989999999999999999999930000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.78063
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 11 Closed
Open Relay: Passed
Module Time: 0.003067
  Open Relay 12
Test NC side Open: Passed
Measurement: 0.589024
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.783744
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 12 Open
Close Relay: Passed
Module Time: 0.003074
  Close Relay 12
Test NC side Closed: Passed
Measurement: 989999999999999999999930000000000000000000000
Limits:
  Low: 989999999999999999999930000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.779147
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 12 Closed
Open Relay: Passed
Module Time: 0.003065
  Open Relay 13
Test NC side Open: Passed
Measurement: 0.559281
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.78283
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 13 Open
Close Relay: Passed
Module Time: 0.00307
  Close Relay 13
Test NC side Closed: Passed
Measurement: 989999999999999999999930000000000000000000000
Limits:
  Low: 989999999999999999999930000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.77604
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 13 Closed
Open Relay: Passed

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Module Time: 0.003067
Open Relay 14
Test NC side Open: Passed
Measurement: 0.575947
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.783034
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 14 Open
Close Relay: Passed
Module Time: 0.003072
Close Relay 14
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.779868
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 14 Closed
Open Relay: Passed
Module Time: 0.003079
Open Relay 15
Test NC side Open: Passed
Measurement: 0.592286
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.779909
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 15 Open
Close Relay: Passed
Module Time: 0.003072
Close Relay 15
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.780017
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 15 Closed
Open Relay: Passed
Module Time: 0.003073
Open Relay 16
Test NC side Open: Passed
Measurement: 0.559183
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.779922
Number of Loops: 1
Number of Passes: 1

```

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Number of Failures:	0
Final Loop Index:	1
Test Channel 16 Open	
Close Relay:	Passed
Module Time:	0.003074
Close Relay 16	
Test NC side Closed:	Passed
Measurement:	98999999999999993000000000000000000000
Limits:	
Low:	98999999999999993000000000000000000000
Comparison Type:	EQ (==)
Module Time:	0.771031
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Test Channel 16 Closed	
Open Relay:	Passed
Module Time:	0.003098
Open Relay 17	
Test NC side Open:	Passed
Measurement:	0.576524
Units:	Ohms
Limits:	
Low:	1.25
Comparison Type:	LT (<)
Module Time:	0.77789
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Test Channel 17 Open	
Close Relay:	Passed
Module Time:	0.00308
Close Relay 17	
Test NC side Closed:	Passed
Measurement:	98999999999999993000000000000000000000
Limits:	
Low:	98999999999999993000000000000000000000
Comparison Type:	EQ (==)
Module Time:	0.770021
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Test Channel 17 Closed	
Open Relay:	Passed
Module Time:	0.003077
Open Relay 18	
Test NC side Open:	Passed
Measurement:	0.596126
Units:	Ohms
Limits:	
Low:	1.25
Comparison Type:	LT (<)
Module Time:	0.774983
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Test Channel 18 Open	
Close Relay:	Passed
Module Time:	0.003086
Close Relay 18	
Test NC side Closed:	Passed
Measurement:	98999999999999993000000000000000000000
Limits:	
Low:	98999999999999993000000000000000000000
Comparison Type:	EQ (==)

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```
Module Time: 0.77692
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 18 Closed
Open Relay: Passed
Module Time: 0.003075
Open Relay 19
Test NC side Open: Passed
Measurement: 0.564734
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.778869
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 19 Open
Close Relay: Passed
Module Time: 0.003076
Close Relay 19
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778876
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 19 Closed
Open Relay: Passed
Module Time: 0.003074
Open Relay 20
Test NC side Open: Passed
Measurement: 0.581493
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.782218
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 20 Open
Close Relay: Passed
Module Time: 0.003082
Close Relay 20
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.782792
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 20 Closed
Open Relay: Passed
Module Time: 0.003079
Open Relay 21
Test NC side Open: Passed
Measurement: 0.597921
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Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.784061
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 21 Open
Close Relay: Passed
Module Time: 0.003095
  Close Relay 21
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.779861
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 21 Closed
Open Relay: Passed
Module Time: 0.003073
  Open Relay 22
Test NC side Open: Passed
Measurement: 0.564576
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.784953
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 22 Open
Close Relay: Passed
Module Time: 0.003081
  Close Relay 22
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.78668
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 22 Closed
Open Relay: Passed
Module Time: 0.003074
  Open Relay 23
Test NC side Open: Passed
Measurement: 0.583508
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.778336
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 23 Open
Close Relay: Passed

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Module Time: 0.003078
Close Relay 23
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 989999999999999999999930000000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.780215
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 23 Closed
Open Relay: Passed
Module Time: 0.003077
Open Relay 24
Test NC side Open: Passed
Measurement: 0.6023
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.780111
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 24 Open
Close Relay: Passed
Module Time: 0.003075
Close Relay 24
Test NC side Closed: Passed
Measurement: 989999999999999999999930000000000000000000000000000
Limits:
Low: 989999999999999999999930000000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.775702
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 24 Closed
Open Relay: Passed
Module Time: 0.003113
Open Relay 25
Test NC side Open: Passed
Measurement: 0.568666
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.774953
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 25 Open
Close Relay: Passed
Module Time: 0.003103
Close Relay 25
Test NC side Closed: Passed
Measurement: 989999999999999999999930000000000000000000000000000
Limits:
Low: 989999999999999999999930000000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778842
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0

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Final Loop Index: 1
Test Channel 25 Closed
Open Relay: Passed
Module Time: 0.003081
Open Relay 26
Test NC side Open: Passed
Measurement: 0.587005
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.783045
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 26 Open
Close Relay: Passed
Module Time: 0.003085
Close Relay 26
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.777279
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 26 Closed
Open Relay: Passed
Module Time: 0.003073
Open Relay 27
Test NC side Open: Passed
Measurement: 0.607189
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.77683
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 27 Open
Close Relay: Passed
Module Time: 0.003084
Close Relay 27
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.773925
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 27 Closed
Open Relay: Passed
Module Time: 0.003077
Open Relay 28
Test NC side Open: Passed
Measurement: 0.572206
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)

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```
Module Time: 0.779689
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 28 Open
Close Relay: Passed
Module Time: 0.003083
Close Relay 28
Test NC side Closed: Passed
Measurement: 98999999999999993000000000000000000000
Limits:
Low: 98999999999999993000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.773987
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 28 Closed
Open Relay: Passed
Module Time: 0.003075
Open Relay 29
Test NC side Open: Passed
Measurement: 0.591794
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.780084
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 29 Open
Close Relay: Passed
Module Time: 0.003077
Close Relay 29
Test NC side Closed: Passed
Measurement: 98999999999999993000000000000000000000
Limits:
Low: 98999999999999993000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.776866
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 29 Closed
Open Relay: Passed
Module Time: 0.003092
Open Relay 30
Test NC side Open: Passed
Measurement: 0.606876
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.775959
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 30 Open
Close Relay: Passed
Module Time: 0.003081
Close Relay 30
Test NC side Closed: Passed
Measurement: 98999999999999993000000000000000000000
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Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.780776
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 30 Closed
Open Relay: Passed
Module Time: 0.003081
Open Relay 31
Test NC side Open: Passed
Measurement: 0.652625
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.791475
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 31 Open
Close Relay: Passed
Module Time: 0.003114
Close Relay 31
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.784591
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 31 Closed
Open Relay: Passed
Module Time: 0.003074
Open Relay 32
Test NC side Open: Passed
Measurement: 0.593131
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.784745
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 32 Open
Close Relay: Passed
Module Time: 0.003079
Close Relay 32
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.78055
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 32 Closed
Open Relay: Passed
Module Time: 0.003092

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Open Relay 33
Test NC side Open: Passed
Measurement: 0.616655
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.785443
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 33 Open
Close Relay: Passed
Module Time: 0.003082
Close Relay 33
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.78272
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 33 Closed
Open Relay: Passed
Module Time: 0.003075
Open Relay 34
Test NC side Open: Passed
Measurement: 0.617599
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.78194
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 34 Open
Close Relay: Passed
Module Time: 0.00308
Close Relay 34
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.78376
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 34 Closed
Open Relay: Passed
Module Time: 0.003081
Open Relay 35
Test NC side Open: Passed
Measurement: 0.637514
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.777309
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0

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    Final Loop Index: 1
    Test Channel 35 Open
Close Relay: Passed
Module Time: 0.00309
Close Relay 35
Test NC side Closed: Passed
Measurement: 9899999999999993000000000000000000000000
Limits:
    Low: 9899999999999993000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.782858
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
    Test Channel 35 Closed
Open Relay: Passed
Module Time: 0.003077
Open Relay 36
Test NC side Open: Passed
Measurement: 0.638688
Units: Ohms
Limits:
    Low: 1.25
Comparison Type: LT (<)
Module Time: 0.782658
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
    Test Channel 36 Open
Close Relay: Passed
Module Time: 0.003085
Close Relay 36
Test NC side Closed: Passed
Measurement: 9899999999999993000000000000000000000000
Limits:
    Low: 9899999999999993000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.774509
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
    Test Channel 36 Closed
Open Relay: Passed
Module Time: 0.003071
Open Relay 37
Test NC side Open: Passed
Measurement: 0.621843
Units: Ohms
Limits:
    Low: 1.25
Comparison Type: LT (<)
Module Time: 0.781622
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
    Test Channel 37 Open
Close Relay: Passed
Module Time: 0.003098
Close Relay 37
Test NC side Closed: Passed
Measurement: 9899999999999993000000000000000000000000
Limits:
    Low: 9899999999999993000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.777149

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	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
	Test Channel 37 Closed	
Open	Relay:	Passed
	Module Time:	0.003073
	Open Relay 38	
Test	NC side Open:	Passed
	Measurement:	0.620601
	Units:	ohms
	Limits:	
	Low:	1.25
	Comparison Type:	LT (<)
	Module Time:	0.778843
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
	Test Channel 38 Open	
Close	Relay:	Passed
	Module Time:	0.003104
	Close Relay 38	
Test	NC side Closed:	Passed
	Measurement:	9899999999999999300000000000000000000000
	Limits:	
	Low:	9899999999999999300000000000000000000000
	Comparison Type:	EQ (==)
	Module Time:	0.779792
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
	Test Channel 38 Closed	
Open	Relay:	Passed
	Module Time:	0.00308
	Open Relay 39	
Test	NC side Open:	Passed
	Measurement:	0.643466
	Units:	ohms
	Limits:	
	Low:	1.25
	Comparison Type:	LT (<)
	Module Time:	0.777748
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
	Test Channel 39 Open	
Close	Relay:	Passed
	Module Time:	0.003123
	Close Relay 39	
Test	NC side Closed:	Passed
	Measurement:	9899999999999999300000000000000000000000
	Limits:	
	Low:	9899999999999999300000000000000000000000
	Comparison Type:	EQ (==)
	Module Time:	0.773127
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
	Test Channel 39 Closed	
Open	Relay:	Passed
	Module Time:	0.003076
	Open Relay 40	
Test	NC side Open:	Passed
	Measurement:	0.645064
	Units:	ohms

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```

Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.778636
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 40 Open
Close Relay: Passed
Module Time: 0.003105
  Close Relay 40
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.782958
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 40 Closed
Open Relay: Passed
Module Time: 0.003076
  Open Relay 41
Test NC side Open: Passed
Measurement: 0.625824
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.783481
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 41 Open
Close Relay: Passed
Module Time: 0.00305
  Close Relay 41
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.787754
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 41 Closed
Open Relay: Passed
Module Time: 0.003074
  Open Relay 42
Test NC side Open: Passed
Measurement: 0.633843
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.783097
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
  Test Channel 42 Open
Close Relay: Passed
Module Time: 0.003079

```

```

Close Relay 42
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.777877
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 42 Closed
Open Relay: Passed
Module Time: 0.003061
Open Relay 43
Test NC side Open: Passed
Measurement: 0.647663
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.773764
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 43 Open
Close Relay: Passed
Module Time: 0.003094
Close Relay 43
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.780877
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 43 Closed
Open Relay: Passed
Module Time: 0.003081
Open Relay 44
Test NC side Open: Passed
Measurement: 0.649989
Units: Ohms
Limits:
  Low: 1.25
Comparison Type: LT (<)
Module Time: 0.782421
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 44 Open
Close Relay: Passed
Module Time: 0.003102
Close Relay 44
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.77758
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1

```

```

Test Channel 44 Closed
Open Relay: Passed
Module Time: 0.003078
Open Relay 45
Test NC side Open: Passed
Measurement: 0.631246
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.779892
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 45 Open
Close Relay: Passed
Module Time: 0.003079
Close Relay 45
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.788248
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 45 Closed
Open Relay: Passed
Module Time: 0.003081
Open Relay 46
Test NC side Open: Passed
Measurement: 0.63187
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.778847
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 46 Open
Close Relay: Passed
Module Time: 0.003084
Close Relay 46
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778783
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 46 Closed
Open Relay: Passed
Module Time: 0.003086
Open Relay 47
Test NC side Open: Passed
Measurement: 0.651005
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.779822

```

```

Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 47 Open
Close Relay: Passed
Module Time: 0.003083
Close Relay 47
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.787346
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 47 Closed
Open Relay: Passed
Module Time: 0.003087
Open Relay 48
Test NC side Open: Passed
Measurement: 0.650931
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.788749
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 48 Open
Close Relay: Passed
Module Time: 0.003122
Close Relay 48
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.775889
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 48 Closed
Open Relay: Passed
Module Time: 0.003078
Open Relay 49
Test NC side Open: Passed
Measurement: 0.617529
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.774253
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 49 Open
Close Relay: Passed
Module Time: 0.003088
Close Relay 49
Test NC side Closed: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:

```

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```
    Low: 9899999999999999300000000000000000000000
    Comparison Type: EQ (==)
    Module Time: 0.780836
    Number of Loops: 1
    Number of Passes: 1
    Number of Failures: 0
    Final Loop Index: 1
    Test Channel 49 Closed
Open Relay: Passed
    Module Time: 0.00304
    Open Relay 50
Test NC side Open: Passed
    Measurement: 0.613845
    Units: Ohms
    Limits:
        Low: 1.25
    Comparison Type: LT (<)
    Module Time: 0.776214
    Number of Loops: 1
    Number of Passes: 1
    Number of Failures: 0
    Final Loop Index: 1
    Test Channel 50 Open
Close Relay: Passed
    Module Time: 0.003087
    Close Relay 50
Test NC side Closed: Passed
    Measurement: 9899999999999999300000000000000000000000
    Limits:
        Low: 9899999999999999300000000000000000000000
    Comparison Type: EQ (==)
    Module Time: 0.778852
    Number of Loops: 1
    Number of Passes: 1
    Number of Failures: 0
    Final Loop Index: 1
    Test Channel 50 Closed
Open Relay: Passed
    Module Time: 0.003076
    Open Relay 51
Test NC side Open: Passed
    Measurement: 0.62322
    Units: Ohms
    Limits:
        Low: 1.25
    Comparison Type: LT (<)
    Module Time: 0.780788
    Number of Loops: 1
    Number of Passes: 1
    Number of Failures: 0
    Final Loop Index: 1
    Test Channel 51 Open
Close Relay: Passed
    Module Time: 0.003083
    Close Relay 51
Test NC side Closed: Passed
    Measurement: 9899999999999999300000000000000000000000
    Limits:
        Low: 9899999999999999300000000000000000000000
    Comparison Type: EQ (==)
    Module Time: 0.778203
    Number of Loops: 1
    Number of Passes: 1
    Number of Failures: 0
    Final Loop Index: 1
    Test Channel 51 Closed
Open Relay: Passed
    Module Time: 0.003078
    Open Relay 52
```

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Test NC side Open: Passed
Measurement: 0.371456
Units: Ohms
Limits:
Low: 1.25
Comparison Type: LT (<)
Module Time: 0.77895
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 52 Open
Close Relay: Passed
Module Time: 0.003083
Close Relay 52
Test NC side Closed: Passed
Measurement: 98999999999999993000000000000000000000
Limits:
Low: 98999999999999993000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.785132
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Channel 52 Closed

End Sequence: NC Side

Open All Relays: Passed
Module Time: 0.023211
Number of Loops: 52
Number of Passes: 52
Number of Failures: 0
Final Loop Index: 52
Close Relay 52

End Sequence: Pickering SPDT Relays

Test Pickering Relay MUX: Passed
Module Time: 130.066181

Begin Sequence: Pickering MUX
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Cfg DMM: Done
Module Time: 0.081501
Initialize Pickering Relay Card: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.060219
Status
Test Card ID: Passed
String: Pickering 40-612-002
Limits:
String: Pickering 40-612-002
Comparison Type: Ignore Case
Module Time: 0.00107
PICKERING INTERFACES,40-612-002,373404,1.02
CFG Mux: Done
Module Time: 0.06253
Close Output Channel: Passed
Module Time: 0.003734
Test channel closed: Passed
Measurement: 1.012506
Units: Ohms
Limits:

```

    Low: 1.5
    Comparison Type: LT (<)
    Module Time: 0.780799
    Number of Loops: 1
    Number of Passes: 1
    Number of Failures: 0
    Final Loop Index: 1
    Test Bank 1 Channel 1 Closed
Test Channel Closed (Loop Index: 0): Passed
    Measurement: 1.012506
    Units: Ohms
    Limits:
        Low: 1.5
        Comparison Type: LT (<)
        Module Time: 0.780799
    Test Bank 1 Channel 1 Closed
Open Output Channel: Passed
    Module Time: 0.00369
Test Channel Open: Passed
    Measurement: 9899999999999999300000000000000000000000
    Limits:
        Low: 9899999999999999300000000000000000000000
        Comparison Type: EQ (==)
        Module Time: 0.781772
    Test Bank 1 Channel 1 Open
Close Output Channel: Passed
    Module Time: 0.0031
Test Channel Closed: Passed
    Measurement: 1.036756
    Units: Ohms
    Limits:
        Low: 1.5
        Comparison Type: LT (<)
        Module Time: 0.782703
        Number of Loops: 1
        Number of Passes: 1
        Number of Failures: 0
        Final Loop Index: 1
    Test Bank 1 Channel 2 Closed
Test Channel Closed (Loop Index: 0): Passed
    Measurement: 1.036756
    Units: Ohms
    Limits:
        Low: 1.5
        Comparison Type: LT (<)
        Module Time: 0.782703
    Test Bank 1 Channel 2 Closed
Open Output Channel: Passed
    Module Time: 0.003086
Test Channel Open: Passed
    Measurement: 9899999999999999300000000000000000000000
    Limits:
        Low: 9899999999999999300000000000000000000000
        Comparison Type: EQ (==)
        Module Time: 0.781227
    Test Bank 1 Channel 2 Open
Close Output Channel: Passed
    Module Time: 0.003084
Test Channel Closed: Passed
    Measurement: 1.035432
    Units: Ohms
    Limits:
        Low: 1.5
        Comparison Type: LT (<)
        Module Time: 0.777373
        Number of Loops: 1
        Number of Passes: 1
        Number of Failures: 0
        Final Loop Index: 1

```

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Test Bank 1 Channel 3 Closed

Test Channel Closed (Loop Index: 0): Passed

Measurement: 1.035432

Units: Ohms

Limits:

Low: 1.5

Comparison Type: LT (<)

Module Time: 0.777373

Test Bank 1 Channel 3 Closed

Open Output Channel: Passed

Module Time: 0.003097

Test Channel Open: Passed

Measurement: 9899999999999999300000000000000000000000

Limits:

Low: 9899999999999999300000000000000000000000

Comparison Type: EQ (==)

Module Time: 0.786333

Test Bank 1 Channel 3 Open

Close Output Channel: Passed

Module Time: 0.003074

Test Channel Closed: Passed

Measurement: 1.000107

Units: Ohms

Limits:

Low: 1.5

Comparison Type: LT (<)

Module Time: 0.786593

Number of Loops: 1

Number of Passes: 1

Number of Failures: 0

Final Loop Index: 1

Test Bank 1 Channel 4 Closed

Test Channel Closed (Loop Index: 0): Passed

Measurement: 1.000107

Units: Ohms

Limits:

Low: 1.5

Comparison Type: LT (<)

Module Time: 0.786593

Test Bank 1 Channel 4 Closed

Open Output Channel: Passed

Module Time: 0.003087

Test Channel Open: Passed

Measurement: 9899999999999999300000000000000000000000

Limits:

Low: 9899999999999999300000000000000000000000

Comparison Type: EQ (==)

Module Time: 0.777223

Test Bank 1 Channel 4 Open

Close Output Channel: Passed

Module Time: 0.00308

Test Channel Closed: Passed

Measurement: 0.992935

Units: Ohms

Limits:

Low: 1.5

Comparison Type: LT (<)

Module Time: 0.780708

Number of Loops: 1

Number of Passes: 1

Number of Failures: 0

Final Loop Index: 1

Test Bank 1 Channel 5 Closed

Test Channel Closed (Loop Index: 0): Passed

Measurement: 0.992935

Units: Ohms

Limits:

Low: 1.5

Comparison Type: LT (<)

```

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Module Time: 0.780708
Test Bank 1 Channel 5 Closed
Open Output Channel: Passed
Module Time: 0.003081
Test Channel Open: Passed
Measurement: 9899999999999993000000000000000000000000
Limits:
Low: 9899999999999993000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778136
Test Bank 1 Channel 5 Open
Close Output Channel: Passed
Module Time: 0.003076
Test Channel Closed: Passed
Measurement: 1.002701
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.774803
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 1 Channel 6 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 1.002701
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.774803
Test Bank 1 Channel 6 Closed
Open Output Channel: Passed
Module Time: 0.003076
Test Channel Open: Passed
Measurement: 9899999999999993000000000000000000000000
Limits:
Low: 9899999999999993000000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778924
Test Bank 1 Channel 6 Open
Close Output Channel: Passed
Module Time: 0.00308
Test Channel Closed: Passed
Measurement: 1.005862
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.77891
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 1 Channel 7 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 1.005862
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.77891
Test Bank 1 Channel 7 Closed
Open Output Channel: Passed
Module Time: 0.00309
Test Channel Open: Passed
Measurement: 9899999999999993000000000000000000000000
Limits:

```

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[illegible]

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```

Measurement:      0.90545
Units:            Ohms
Limits:
  Low:            1.5
Comparison Type:  LT (<)
Module Time:      0.784511
Number of Loops:  1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 2 Channel 2 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement:      0.90545
Units:            Ohms
Limits:
  Low:            1.5
Comparison Type:  LT (<)
Module Time:      0.784511
Test Bank 2 Channel 2 Closed
Open Output Channel: Passed
Module Time:      0.003067
Test Channel open: Passed
Measurement:      9899999999999999300000000000000000000000
Limits:
  Low:            9899999999999999300000000000000000000000
Comparison Type:  EQ (==)
Module Time:      0.775703
Test Bank 2 Channel 2 Open
Close Output Channel: Passed
Module Time:      0.00307
Test Channel Closed: Passed
Measurement:      0.906718
Units:            Ohms
Limits:
  Low:            1.5
Comparison Type:  LT (<)
Module Time:      0.781896
Number of Loops:  1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 2 Channel 3 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement:      0.906718
Units:            Ohms
Limits:
  Low:            1.5
Comparison Type:  LT (<)
Module Time:      0.781896
Test Bank 2 Channel 3 Closed
Open Output Channel: Passed
Module Time:      0.003076
Test Channel open: Passed
Measurement:      9899999999999999300000000000000000000000
Limits:
  Low:            9899999999999999300000000000000000000000
Comparison Type:  EQ (==)
Module Time:      0.783398
Test Bank 2 Channel 3 Open
Close Output Channel: Passed
Module Time:      0.003073
Test Channel Closed: Passed
Measurement:      0.89589
Units:            Ohms
Limits:
  Low:            1.5
Comparison Type:  LT (<)
Module Time:      0.774765
Number of Loops:  1

```

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Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 2 Channel 4 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.89589
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.774765
Test Bank 2 Channel 4 Closed
Open Output Channel: Passed
Module Time: 0.003048
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.780198
Test Bank 2 Channel 4 Open
Close Output Channel: Passed
Module Time: 0.003073
Test Channel Closed: Passed
Measurement: 0.906222
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.780709
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 2 Channel 5 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.906222
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.780709
Test Bank 2 Channel 5 Closed
Open Output Channel: Passed
Module Time: 0.003076
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.78325
Test Bank 2 Channel 5 Open
Close Output Channel: Passed
Module Time: 0.003066
Test Channel Closed: Passed
Measurement: 0.894051
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.777863
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 2 Channel 6 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.894051
Units: Ohms

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```
Limits:
  Low: 1.5
  Comparison Type: LT (<)
  Module Time: 0.777863
  Test Bank 2 Channel 6 Closed
Open Output Channel: Passed
  Module Time: 0.003077
Test Channel Open: Passed
  Measurement: 9899999999999999300000000000000000000000
  Limits:
    Low: 9899999999999999300000000000000000000000
    Comparison Type: EQ (==)
    Module Time: 0.781626
  Test Bank 2 Channel 6 Open
Close Output Channel: Passed
  Module Time: 0.003076
Test Channel Closed: Passed
  Measurement: 0.936838
  Units: Ohms
  Limits:
    Low: 1.5
    Comparison Type: LT (<)
    Module Time: 0.776429
    Number of Loops: 1
    Number of Passes: 1
    Number of Failures: 0
    Final Loop Index: 1
  Test Bank 2 Channel 7 Closed
Test Channel Closed (Loop Index: 0): Passed
  Measurement: 0.936838
  Units: Ohms
  Limits:
    Low: 1.5
    Comparison Type: LT (<)
    Module Time: 0.776429
  Test Bank 2 Channel 7 Closed
Open Output Channel: Passed
  Module Time: 0.003079
Test Channel Open: Passed
  Measurement: 9899999999999999300000000000000000000000
  Limits:
    Low: 9899999999999999300000000000000000000000
    Comparison Type: EQ (==)
    Module Time: 0.784815
  Test Bank 2 Channel 7 Open
Close Output Channel: Passed
  Module Time: 0.00307
Test Channel Closed: Passed
  Measurement: 0.882089
  Units: Ohms
  Limits:
    Low: 1.5
    Comparison Type: LT (<)
    Module Time: 0.780733
    Number of Loops: 1
    Number of Passes: 1
    Number of Failures: 0
    Final Loop Index: 1
  Test Bank 2 Channel 8 Closed
Test Channel Closed (Loop Index: 0): Passed
  Measurement: 0.882089
  Units: Ohms
  Limits:
    Low: 1.5
    Comparison Type: LT (<)
    Module Time: 0.780733
  Test Bank 2 Channel 8 Closed
Open Output Channel: Passed
  Module Time: 0.003076
```

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```

Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.782901
Test Bank 2 Channel 8 Open
Close Output Channel: Passed
Module Time: 0.003071
Test Channel Closed: Passed
Measurement: 0.983948
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.779767
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 3 Channel 1 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.983948
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.779767
Test Bank 3 Channel 1 Closed
Open Output Channel: Passed
Module Time: 0.003077
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.782212
Test Bank 3 Channel 1 Open
Close Output Channel: Passed
Module Time: 0.003078
Test Channel Closed: Passed
Measurement: 1.003165
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.782899
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 3 Channel 2 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 1.003165
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.782899
Test Bank 3 Channel 2 Closed
Open Output Channel: Passed
Module Time: 0.003083
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.781059
Test Bank 3 Channel 2 Open

```

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[illegible]

```

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Comparison Type: LT (<)
Module Time: 0.775941
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 3 Channel 5 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.925792
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.775941
Test Bank 3 Channel 5 Closed
Open Output Channel: Passed
Module Time: 0.003074
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778597
Test Bank 3 Channel 5 Open
Close Output Channel: Passed
Module Time: 0.003068
Test Channel Closed: Passed
Measurement: 0.95838
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.783103
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 3 Channel 6 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.95838
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.783103
Test Bank 3 Channel 6 Closed
Open Output Channel: Passed
Module Time: 0.003089
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.782219
Test Bank 3 Channel 6 Open
Close Output Channel: Passed
Module Time: 0.003069
Test Channel Closed: Passed
Measurement: 0.925048
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.783688
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 3 Channel 7 Closed

```

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Test Channel Closed (Loop Index: 0): Passed
 Measurement: 0.925048
 Units: Ohms
 Limits:
 Low: 1.5
 Comparison Type: LT (<)
 Module Time: 0.783688
 Test Bank 3 Channel 7 Closed

Open Output Channel: Passed
 Module Time: 0.003092

Test Channel Open: Passed
 Measurement: 9899999999999999300000000000000000000000
 Limits:
 Low: 9899999999999999300000000000000000000000
 Comparison Type: EQ (==)
 Module Time: 0.776215
 Test Bank 3 Channel 7 Open

Close Output Channel: Passed
 Module Time: 0.00307

Test Channel Closed: Passed
 Measurement: 0.923165
 Units: Ohms
 Limits:
 Low: 1.5
 Comparison Type: LT (<)
 Module Time: 0.773858
 Number of Loops: 1
 Number of Passes: 1
 Number of Failures: 0
 Final Loop Index: 1
 Test Bank 3 Channel 8 Closed

Test Channel Closed (Loop Index: 0): Passed
 Measurement: 0.923165
 Units: Ohms
 Limits:
 Low: 1.5
 Comparison Type: LT (<)
 Module Time: 0.773858
 Test Bank 3 Channel 8 Closed

Open Output Channel: Passed
 Module Time: 0.003078

Test Channel Open: Passed
 Measurement: 9899999999999999300000000000000000000000
 Limits:
 Low: 9899999999999999300000000000000000000000
 Comparison Type: EQ (==)
 Module Time: 0.776107
 Test Bank 3 Channel 8 Open

Close Output Channel: Passed
 Module Time: 0.003071

Test Channel Closed: Passed
 Measurement: 0.862911
 Units: Ohms
 Limits:
 Low: 1.5
 Comparison Type: LT (<)
 Module Time: 0.792376
 Number of Loops: 1
 Number of Passes: 1
 Number of Failures: 0
 Final Loop Index: 1
 Test Bank 4 Channel 1 Closed

Test Channel Closed (Loop Index: 0): Passed
 Measurement: 0.862911
 Units: Ohms
 Limits:
 Low: 1.5
 Comparison Type: LT (<)
 Module Time: 0.792376

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Test Bank 4 Channel 1 Closed

Open Output Channel: Passed
Module Time: 0.003082

Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778701

Test Bank 4 Channel 1 Open

Close Output Channel: Passed
Module Time: 0.003085

Test Channel Closed: Passed
Measurement: 0.841335
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.779656
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1

Test Bank 4 Channel 2 Closed

Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.841335
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.779656

Test Bank 4 Channel 2 Closed

Open Output Channel: Passed
Module Time: 0.003086

Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778404

Test Bank 4 Channel 2 Open

Close Output Channel: Passed
Module Time: 0.003074

Test Channel Closed: Passed
Measurement: 0.845351
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.778924
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1

Test Bank 4 Channel 3 Closed

Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.845351
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.778924

Test Bank 4 Channel 3 Closed

Open Output Channel: Passed
Module Time: 0.003088

Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000

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```

Comparison Type:      EQ (==)
Module Time:          0.77964
Test Bank 4 Channel 3 Open
Close Output Channel: Passed
Module Time:          0.003079
Test Channel Closed:  Passed
Measurement:          0.852612
Units:                Ohms
Limits:
  Low:                1.5
Comparison Type:      LT (<)
Module Time:          0.786854
Number of Loops:      1
Number of Passes:     1
Number of Failures:   0
Final Loop Index:     1
Test Bank 4 Channel 4 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement:          0.852612
Units:                Ohms
Limits:
  Low:                1.5
Comparison Type:      LT (<)
Module Time:          0.786854
Test Bank 4 Channel 4 Closed
Open Output Channel:  Passed
Module Time:          0.003083
Test Channel Open:    Passed
Measurement:          9899999999999999300000000000000000000000
Limits:
  Low:                9899999999999999300000000000000000000000
Comparison Type:      EQ (==)
Module Time:          0.780073
Test Bank 4 Channel 4 Open
Close Output Channel: Passed
Module Time:          0.003073
Test Channel Closed:  Passed
Measurement:          0.930691
Units:                Ohms
Limits:
  Low:                1.5
Comparison Type:      LT (<)
Module Time:          0.775767
Number of Loops:      1
Number of Passes:     1
Number of Failures:   0
Final Loop Index:     1
Test Bank 4 Channel 5 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement:          0.930691
Units:                Ohms
Limits:
  Low:                1.5
Comparison Type:      LT (<)
Module Time:          0.775767
Test Bank 4 Channel 5 Closed
Open Output Channel:  Passed
Module Time:          0.003096
Test Channel Open:    Passed
Measurement:          9899999999999999300000000000000000000000
Limits:
  Low:                9899999999999999300000000000000000000000
Comparison Type:      EQ (==)
Module Time:          0.782959
Test Bank 4 Channel 5 Open
Close Output Channel: Passed
Module Time:          0.003054
Test Channel Closed:  Passed
Measurement:          0.840967

```

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```

Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.779728
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 4 Channel 6 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.840967
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.779728
Test Bank 4 Channel 6 Closed
Open Output Channel: Passed
Module Time: 0.003079
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.779908
Test Bank 4 Channel 6 Open
Close Output Channel: Passed
Module Time: 0.003074
Test Channel Closed: Passed
Measurement: 0.826782
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.775982
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 4 Channel 7 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.826782
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.775982
Test Bank 4 Channel 7 Closed
Open Output Channel: Passed
Module Time: 0.003077
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.780843
Test Bank 4 Channel 7 Open
Close Output Channel: Passed
Module Time: 0.003064
Test Channel Closed: Passed
Measurement: 0.847262
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.778959
Number of Loops: 1
Number of Passes: 1

```

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Number of Failures: 0
Final Loop Index: 1
Test Bank 4 Channel 8 Closed

Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.847262
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.778959
Test Bank 4 Channel 8 Closed

Open Output Channel: Passed
Module Time: 0.00308

Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.781755
Test Bank 4 Channel 8 Open

Close Output Channel: Passed
Module Time: 0.00307

Test Channel Closed: Passed
Measurement: 0.892169
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.779714
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 5 Channel 1 Closed

Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.892169
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.779714
Test Bank 5 Channel 1 Closed

Open Output Channel: Passed
Module Time: 0.003099

Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.779598
Test Bank 5 Channel 1 Open

Close Output Channel: Passed
Module Time: 0.003086

Test Channel Closed: Passed
Measurement: 0.895421
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.778747
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 5 Channel 2 Closed

Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.895421
Units: Ohms
Limits:

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Low: 1.5
Comparison Type: LT (<)
Module Time: 0.778747
Test Bank 5 Channel 2 Closed
Open Output Channel: Passed
Module Time: 0.003106
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.777829
Test Bank 5 Channel 2 Open
Close Output Channel: Passed
Module Time: 0.00308
Test Channel Closed: Passed
Measurement: 0.895442
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.780142
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 5 Channel 3 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.895442
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.780142
Test Bank 5 Channel 3 Closed
Open Output Channel: Passed
Module Time: 0.003082
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.775922
Test Bank 5 Channel 3 Open
Close Output Channel: Passed
Module Time: 0.003077
Test Channel Closed: Passed
Measurement: 0.889941
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.776873
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 5 Channel 4 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.889941
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.776873
Test Bank 5 Channel 4 Closed
Open Output Channel: Passed
Module Time: 0.00308
Test Channel Open: Passed

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```

Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778975
Test Bank 5 Channel 4 Open
Close Output Channel: Passed
Module Time: 0.003074
Test Channel Closed: Passed
Measurement: 0.885251
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.777579
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 5 Channel 5 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.885251
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.777579
Test Bank 5 Channel 5 Closed
Open Output Channel: Passed
Module Time: 0.003089
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778012
Test Bank 5 Channel 5 Open
Close Output Channel: Passed
Module Time: 0.00307
Test Channel Closed: Passed
Measurement: 0.887676
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.77818
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 5 Channel 6 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.887676
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.77818
Test Bank 5 Channel 6 Closed
Open Output Channel: Passed
Module Time: 0.003076
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.782292
Test Bank 5 Channel 6 Open
Close Output Channel: Passed

```

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```

Module Time: 0.003072
Test Channel Closed: Passed
Measurement: 0.898659
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.780924
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 5 Channel 7 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.898659
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.780924
Test Bank 5 Channel 7 Closed
Open Output Channel: Passed
Module Time: 0.00307
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.781906
Test Bank 5 Channel 7 Open
Close Output Channel: Passed
Module Time: 0.003198
Test Channel Closed: Passed
Measurement: 0.873257
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.775764
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 5 Channel 8 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.873257
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.775764
Test Bank 5 Channel 8 Closed
Open Output Channel: Passed
Module Time: 0.00308
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.786361
Test Bank 5 Channel 8 Open
Close Output Channel: Passed
Module Time: 0.003098
Test Channel Closed: Passed
Measurement: 1.239894
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)

```


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```

Measurement: 1.199689
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.777306
Test Bank 6 Channel 3 Closed
Open Output Channel: Passed
Module Time: 0.003097
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.78124
Test Bank 6 Channel 3 Open
Close Output Channel: Passed
Module Time: 0.003076
Test Channel Closed: Passed
Measurement: 1.201371
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.782719
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 6 Channel 4 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 1.201371
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.782719
Test Bank 6 Channel 4 Closed
Open Output Channel: Passed
Module Time: 0.003083
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.774988
Test Bank 6 Channel 4 Open
Close Output Channel: Passed
Module Time: 0.003078
Test Channel Closed: Passed
Measurement: 1.206258
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.780996
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 6 Channel 5 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 1.206258
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.780996
Test Bank 6 Channel 5 Closed

```

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Open Output Channel: Passed
Module Time: 0.003082
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.781346
Test Bank 6 Channel 5 Open
Close Output Channel: Passed
Module Time: 0.003089
Test Channel Closed: Passed
Measurement: 1.397201
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.778721
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 6 Channel 6 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 1.397201
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.778721
Test Bank 6 Channel 6 Closed
Open Output Channel: Passed
Module Time: 0.003059
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.772959
Test Bank 6 Channel 6 Open
Close Output Channel: Passed
Module Time: 0.003076
Test Channel Closed: Passed
Measurement: 1.219137
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.776798
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 6 Channel 7 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 1.219137
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.776798
Test Bank 6 Channel 7 Closed
Open Output Channel: Passed
Module Time: 0.003085
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)

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```

Module Time: 0.781682
Test Bank 6 Channel 7 Open
Close Output Channel: Passed
Module Time: 0.003076
Test Channel Closed: Passed
Measurement: 1.225674
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.775929
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 6 Channel 8 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 1.225674
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.775929
Test Bank 6 Channel 8 Closed
Open Output Channel: Passed
Module Time: 0.003085
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778226
Test Bank 6 Channel 8 Open
Close Output Channel: Passed
Module Time: 0.003067
Test Channel Closed: Passed
Measurement: 0.925406
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.784709
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 7 Channel 1 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.925406
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.784709
Test Bank 7 Channel 1 Closed
Open Output Channel: Passed
Module Time: 0.003082
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.780683
Test Bank 7 Channel 1 Open
Close Output Channel: Passed
Module Time: 0.003072
Test Channel Closed: Passed
Measurement: 0.994527
Units: Ohms

```

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```
Limits:
    Low: 1.5
Comparison Type: LT (<)
Module Time: 0.78359
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 7 Channel 2 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.994527
Units: Ohms
Limits:
    Low: 1.5
Comparison Type: LT (<)
Module Time: 0.78359
Test Bank 7 Channel 2 Closed
Open Output Channel: Passed
Module Time: 0.003083
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
    Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.781345
Test Bank 7 Channel 2 open
Close Output Channel: Passed
Module Time: 0.003076
Test Channel Closed: Passed
Measurement: 1.105121
Units: Ohms
Limits:
    Low: 1.5
Comparison Type: LT (<)
Module Time: 0.781686
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 7 Channel 3 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 1.105121
Units: Ohms
Limits:
    Low: 1.5
Comparison Type: LT (<)
Module Time: 0.781686
Test Bank 7 Channel 3 Closed
Open Output Channel: Passed
Module Time: 0.003081
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
    Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.780284
Test Bank 7 Channel 3 Open
Close Output Channel: Passed
Module Time: 0.003075
Test Channel Closed: Passed
Measurement: 0.926082
Units: Ohms
Limits:
    Low: 1.5
Comparison Type: LT (<)
Module Time: 0.780745
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
```

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```

Final Loop Index: 1
Test Bank 7 Channel 4 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.926082
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.780745
Test Bank 7 Channel 4 Closed
Open Output Channel: Passed
Module Time: 0.003081
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.785532
Test Bank 7 Channel 4 Open
Close Output Channel: Passed
Module Time: 0.003079
Test Channel Closed: Passed
Measurement: 0.912261
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.777905
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 7 Channel 5 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.912261
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.777905
Test Bank 7 Channel 5 Closed
Open Output Channel: Passed
Module Time: 0.003084
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
  Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.778189
Test Bank 7 Channel 5 Open
Close Output Channel: Passed
Module Time: 0.003078
Test Channel Closed: Passed
Measurement: 0.934938
Units: Ohms
Limits:
  Low: 1.5
Comparison Type: LT (<)
Module Time: 0.781214
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 7 Channel 6 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.934938
Units: Ohms
Limits:
  Low: 1.5

```

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```

Comparison Type:      LT (<)
Module Time:          0.781214
Test Bank 7 Channel 6 Closed
Open Output Channel:  Passed
Module Time:          0.003089
Test Channel Open:    Passed
Measurement:          9899999999999993000000000000000000000000
Limits:
  Low:                9899999999999993000000000000000000000000
Comparison Type:      EQ (==)
Module Time:          0.778713
Test Bank 7 Channel 6 Open
Close Output Channel: Passed
Module Time:          0.003074
Test Channel Closed:  Passed
Measurement:          1.065794
Units:                Ohms
Limits:
  Low:                1.5
Comparison Type:      LT (<)
Module Time:          0.777089
Number of Loops:      1
Number of Passes:     1
Number of Failures:   0
Final Loop Index:     1
Test Bank 7 Channel 7 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement:          1.065794
Units:                Ohms
Limits:
  Low:                1.5
Comparison Type:      LT (<)
Module Time:          0.777089
Test Bank 7 Channel 7 Closed
Open Output Channel:  Passed
Module Time:          0.003083
Test Channel Open:    Passed
Measurement:          9899999999999993000000000000000000000000
Limits:
  Low:                9899999999999993000000000000000000000000
Comparison Type:      EQ (==)
Module Time:          0.778094
Test Bank 7 Channel 7 Open
Close Output Channel: Passed
Module Time:          0.003076
Test Channel Closed:  Passed
Measurement:          0.914108
Units:                Ohms
Limits:
  Low:                1.5
Comparison Type:      LT (<)
Module Time:          0.784082
Number of Loops:      1
Number of Passes:     1
Number of Failures:   0
Final Loop Index:     1
Test Bank 7 Channel 8 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement:          0.914108
Units:                Ohms
Limits:
  Low:                1.5
Comparison Type:      LT (<)
Module Time:          0.784082
Test Bank 7 Channel 8 Closed
Open Output Channel:  Passed
Module Time:          0.003082
Test Channel Open:    Passed
Measurement:          9899999999999993000000000000000000000000

```

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Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.783533
Test Bank 7 Channel 8 Open
Close Output Channel: Passed
Module Time: 0.003073
Test Channel Closed: Passed
Measurement: 0.936593
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.784801
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 8 Channel 1 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.936593
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.784801
Test Bank 8 Channel 1 Closed
Open Output Channel: Passed
Module Time: 0.003086
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.7789
Test Bank 8 Channel 1 Open
Close Output Channel: Passed
Module Time: 0.003072
Test Channel Closed: Passed
Measurement: 1.012017
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.778647
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 8 Channel 2 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 1.012017
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.778647
Test Bank 8 Channel 2 Closed
Open Output Channel: Passed
Module Time: 0.003086
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.782797
Test Bank 8 Channel 2 Open
Close Output Channel: Passed
Module Time: 0.003081

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Test Channel Closed: Passed
Measurement: 0.940798
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.779728
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 8 Channel 3 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.940798
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.779728
Test Bank 8 Channel 3 Closed
Open Output Channel: Passed
Module Time: 0.003085
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.777423
Test Bank 8 Channel 3 Open
Close Output Channel: Passed
Module Time: 0.003089
Test Channel Closed: Passed
Measurement: 0.926665
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.780729
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 8 Channel 4 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.926665
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.780729
Test Bank 8 Channel 4 Closed
Open Output Channel: Passed
Module Time: 0.003083
Test Channel Open: Passed
Measurement: 9899999999999999300000000000000000000000
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.7755
Test Bank 8 Channel 4 Open
Close Output Channel: Passed
Module Time: 0.003078
Test Channel Closed: Passed
Measurement: 0.950831
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.780242

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```

Number of Loops:      1
Number of Passes:     1
Number of Failures:   0
Final Loop Index:     1
Test Bank 8 Channel 5 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement:          0.950831
Units:                 Ohms
Limits:
  Low:                 1.5
Comparison Type:      LT (<)
Module Time:          0.780242
Test Bank 8 Channel 5 Closed
Open Output Channel:   Passed
Module Time:          0.003082
Test Channel Open:     Passed
Measurement:           9899999999999999300000000000000000000000
Limits:
  Low:                 9899999999999999300000000000000000000000
Comparison Type:      EQ (==)
Module Time:          0.777168
Test Bank 8 Channel 5 Open
Close Output Channel:  Passed
Module Time:          0.003082
Test Channel Closed:   Passed
Measurement:           1.019097
Units:                 Ohms
Limits:
  Low:                 1.5
Comparison Type:      LT (<)
Module Time:          0.773956
Number of Loops:      1
Number of Passes:     1
Number of Failures:   0
Final Loop Index:     1
Test Bank 8 Channel 6 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement:           1.019097
Units:                 Ohms
Limits:
  Low:                 1.5
Comparison Type:      LT (<)
Module Time:          0.773956
Test Bank 8 Channel 6 Closed
Open Output Channel:   Passed
Module Time:          0.003105
Test Channel Open:     Passed
Measurement:           9899999999999999300000000000000000000000
Limits:
  Low:                 9899999999999999300000000000000000000000
Comparison Type:      EQ (==)
Module Time:          0.778351
Test Bank 8 Channel 6 Open
Close Output Channel:  Passed
Module Time:          0.003072
Test Channel Closed:   Passed
Measurement:           0.925636
Units:                 Ohms
Limits:
  Low:                 1.5
Comparison Type:      LT (<)
Module Time:          0.784676
Number of Loops:      1
Number of Passes:     1
Number of Failures:   0
Final Loop Index:     1
Test Bank 8 Channel 7 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement:           0.925636

```

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Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.784676
Test Bank 8 Channel 7 Closed
Open Output Channel: Passed
Module Time: 0.003078
Test Channel Open: Passed
Measurement: 98999999999999993000000000000000000000
Limits:
Low: 98999999999999993000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.782748
Test Bank 8 Channel 7 Open
Close Output Channel: Passed
Module Time: 0.003094
Test Channel Closed: Passed
Measurement: 0.914231
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.777987
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Bank 8 Channel 8 Closed
Test Channel Closed (Loop Index: 0): Passed
Measurement: 0.914231
Units: Ohms
Limits:
Low: 1.5
Comparison Type: LT (<)
Module Time: 0.777987
Test Bank 8 Channel 8 Closed
Open Output Channel: Passed
Module Time: 0.003089
Test Channel Open: Passed
Measurement: 98999999999999993000000000000000000000
Limits:
Low: 98999999999999993000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.780119
Test Bank 8 Channel 8 Open
Clear Mux: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.03416
Close 1 Pole Relays: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.021504
Close Isolation Relay: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.003719
Test Isolation Relay Closed: Passed
Measurement: 0.613874
Units: Ohms
Limits:
Low: 1

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```
Comparison Type: LT (<)
Module Time: 0.778779
Test Channel 0
Open Isolation Relay: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.00369
Test Isolation Relay Open: Passed
Measurement: 98999999999999993000000000000000000000
Units: Ohms
Limits:
Low: 98999999999999993000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.781817
Test Channel 0
Close Isolation Relay: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.003086
Test Isolation Relay Closed: Passed
Measurement: 0.543989
Units: Ohms
Limits:
Low: 1
Comparison Type: LT (<)
Module Time: 0.780052
Test Channel 0
Open Isolation Relay: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.003085
Test Isolation Relay Open: Passed
Measurement: 98999999999999993000000000000000000000
Units: Ohms
Limits:
Low: 98999999999999993000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.782538
Test Channel 0
Close Isolation Relay: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.003076
Test Isolation Relay Closed: Passed
Measurement: 0.578964
Units: Ohms
Limits:
Low: 1
Comparison Type: LT (<)
Module Time: 0.781986
Test Channel 0
Open Isolation Relay: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.003072
Test Isolation Relay Open: Passed
Measurement: 98999999999999993000000000000000000000
Units: Ohms
Limits:
```

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```
    Low: 9899999999999999300000000000000000000000
    Comparison Type: EQ (==)
    Module Time: 0.783019
    Test Channel 0
Close Isolation Relay: Passed
    Measurement: 0
    Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.003078
Test Isolation Relay Closed: Passed
    Measurement: 0.529729
    Units: Ohms
    Limits:
    Low: 1
    Comparison Type: LT (<)
    Module Time: 0.780118
Open Isolation Relay: Passed
    Measurement: 0
    Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.003083
Test Isolation Relay Open: Passed
    Measurement: 9899999999999999300000000000000000000000
    Units: Ohms
    Limits:
    Low: 9899999999999999300000000000000000000000
    Comparison Type: EQ (==)
    Module Time: 0.777205
    Test Channel 0
Close Isolation Relay: Passed
    Measurement: 0
    Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.003074
Test Isolation Relay Closed: Passed
    Measurement: 0.489443
    Units: Ohms
    Limits:
    Low: 1
    Comparison Type: LT (<)
    Module Time: 0.779875
Open Isolation Relay: Passed
    Measurement: 0
    Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.003083
Test Isolation Relay Open: Passed
    Measurement: 9899999999999999300000000000000000000000
    Units: Ohms
    Limits:
    Low: 9899999999999999300000000000000000000000
    Comparison Type: EQ (==)
    Module Time: 0.783685
    Test Channel 0
Close Isolation Relay: Passed
    Measurement: 0
    Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.003083
Test Isolation Relay Closed: Passed
    Measurement: 0.490654
    Units: Ohms
```

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```
Limits:
  Low: 1
  Comparison Type: LT (<)
  Module Time: 0.783179
Open Isolation Relay: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.003085
Test Isolation Relay Open: Passed
  Measurement: 9899999999999999300000000000000000000000
  Units: Ohms
  Limits:
    Low: 9899999999999999300000000000000000000000
    Comparison Type: EQ (==)
    Module Time: 0.778155
  Test Channel 0
Close Isolation Relay: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.003079
Test Isolation Relay Closed: Passed
  Measurement: 0.515507
  Units: Ohms
  Limits:
    Low: 1
    Comparison Type: LT (<)
    Module Time: 0.786145
Open Isolation Relay: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.003059
Test Isolation Relay Open: Passed
  Measurement: 9899999999999999300000000000000000000000
  Units: Ohms
  Limits:
    Low: 9899999999999999300000000000000000000000
    Comparison Type: EQ (==)
    Module Time: 0.776228
  Test Channel 0
Close Isolation Relay: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.003087
Test Isolation Relay Closed: Passed
  Measurement: 0.688164
  Units: Ohms
  Limits:
    Low: 1
    Comparison Type: LT (<)
    Module Time: 0.781928
Open Isolation Relay: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.003086
Test Isolation Relay Open: Passed
  Measurement: 9899999999999999300000000000000000000000
```



```

Module Time: 0.003657
Close RL80: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.003629
Connect Bank1 to Bank 3: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.00364
Test Bank1 to Bank 3 Continuity: Passed
Measurement: 0.821244
Units: Ohms
Limits:
Low: 1.2
Comparison Type: LT (<)
Module Time: 0.784731
Test Channel 0
Disconnect Bank1 to Bank3: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.003697
Test Bank1 to Bank 3 Isolation: Passed
Measurement: 9899999999999999300000000000000000000000
Units: Ohms
Limits:
Low: 9899999999999999300000000000000000000000
Comparison Type: EQ (==)
Module Time: 0.777519
Test Channel 0
Clear Mux: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.034192
Close RL72: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.003633
Close RL88: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.003638
Close RL89: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.003645
Connect Bank1 to Bank 5: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.003627
Test Bank1 to Bank 5 Continuity: Passed
Measurement: 0.848628
Units: Ohms
Limits:

```

```

    Low: 1.2
    Comparison Type: LT (<)
    Module Time: 0.780953
    Test Channel 0
Disconnect Bank1 to Bank 5: Passed
    Measurement: 0
    Limits:
        Low: 0
        Comparison Type: EQ (==)
        Module Time: 0.003706
Test Bank1 to Bank 5 Isolation: Passed
    Measurement: 9899999999999993000000000000000000000000
    Units: Ohms
    Limits:
        Low: 9899999999999993000000000000000000000000
        Comparison Type: EQ (==)
        Module Time: 0.785278
        Test Channel 0
Clear Mux: Passed
    Measurement: 0
    Limits:
        Low: 0
        Comparison Type: EQ (==)
        Module Time: 0.034099
Close RL72: Passed
    Measurement: 0
    Limits:
        Low: 0
        Comparison Type: EQ (==)
        Module Time: 0.003637
Close RL88: Passed
    Measurement: 0
    Limits:
        Low: 0
        Comparison Type: EQ (==)
        Module Time: 0.003861
Close RL90: Passed
    Measurement: 0
    Limits:
        Low: 0
        Comparison Type: EQ (==)
        Module Time: 0.003634
Connect Bank1 to Bank 5: Passed
    Measurement: 0
    Limits:
        Low: 0
        Comparison Type: EQ (==)
        Module Time: 0.003682
Test Bank1 to Bank 5 Continuity: Passed
    Measurement: 0.858394
    Units: Ohms
    Limits:
        Low: 1.2
        Comparison Type: LT (<)
        Module Time: 0.779548
        Test Channel 0
Disconnect Bank1 to Bank 5: Passed
    Measurement: 0
    Limits:
        Low: 0
        Comparison Type: EQ (==)
        Module Time: 0.003686
Test Bank1 to Bank 5 Isolation: Passed
    Measurement: 9899999999999993000000000000000000000000
    Units: Ohms
    Limits:
        Low: 9899999999999993000000000000000000000000
        Comparison Type: EQ (==)
        Module Time: 0.784731

```

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[illegible]

End Sequence: Pickering MUX

Test Pickering 40-330-001 PXI-Slot2: Passed
Module Time: 28.211788

Begin Sequence: Pickering SPST Relays
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Config SMU CH0: Done
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Module Time: 0.002603
Enable SMU Output: Done
Module Time: 0.001533
Initialize Pickering Relay Card: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.015211
Test Card ID: Passed
String: Pickering 40-330-001
Limits:
String: Pickering 40-330-001
Comparison Type: Ignore Case
Module Time: 0.001081
PICKERING INTERFACES,40-330-001,373424,1.00
Close Relay: Passed
Module Time: 0.004253
Close Relay 1
Test Relay Closed: Passed
Measurement: 0.228015
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067787
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.004162
Open Relay 1
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067866
Close Relay: Passed
Module Time: 0.003531
Close Relay 2
Test Relay Closed: Passed
Measurement: 0.224976
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067195
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003551
Open Relay 2
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.06715
Close Relay: Passed
Module Time: 0.003566
Close Relay 3
Test Relay Closed: Passed
Measurement: 0.22508
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067216

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	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
Open	Relay:	Passed
	Module Time:	0.003542
	Open Relay 3	
Test	Relay Open:	Passed
	Measurement:	INF
	Limits:	
	Low:	INF
	Comparison Type:	EQ (==)
	Module Time:	0.067165
Close	Relay:	Passed
	Module Time:	0.003532
	Close Relay 4	
Test	Relay Closed:	Passed
	Measurement:	0.224992
	Limits:	
	Low:	0.36
	Comparison Type:	LT (<)
	Module Time:	0.067239
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
Open	Relay:	Passed
	Module Time:	0.003558
	Open Relay 4	
Test	Relay Open:	Passed
	Measurement:	INF
	Limits:	
	Low:	INF
	Comparison Type:	EQ (==)
	Module Time:	0.067186
Close	Relay:	Passed
	Module Time:	0.00353
	Close Relay 5	
Test	Relay Closed:	Passed
	Measurement:	0.224462
	Limits:	
	Low:	0.36
	Comparison Type:	LT (<)
	Module Time:	0.067207
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
Open	Relay:	Passed
	Module Time:	0.003535
	Open Relay 5	
Test	Relay Open:	Passed
	Measurement:	INF
	Limits:	
	Low:	INF
	Comparison Type:	EQ (==)
	Module Time:	0.067239
Close	Relay:	Passed
	Module Time:	0.003544
	Close Relay 6	
Test	Relay Closed:	Passed
	Measurement:	0.225201
	Limits:	
	Low:	0.36
	Comparison Type:	LT (<)
	Module Time:	0.067278
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0

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```
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003545
Open Relay 6
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067241
Close Relay: Passed
Module Time: 0.003538
Close Relay 7
Test Relay Closed: Passed
Measurement: 0.226772
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067266
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.00354
Open Relay 7
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.06729
Close Relay: Passed
Module Time: 0.00353
Close Relay 8
Test Relay Closed: Passed
Measurement: 0.227558
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067168
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003525
Open Relay 8
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.06734
Close Relay: Passed
Module Time: 0.003539
Close Relay 9
Test Relay Closed: Passed
Measurement: 0.226636
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067241
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003587
```

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Open Relay 9	
Test Relay Open:	Passed
Measurement:	INF
Limits:	
Low:	INF
Comparison Type:	EQ (==)
Module Time:	0.066979
Close Relay:	Passed
Module Time:	0.003543
Close Relay 10	
Test Relay Closed:	Passed
Measurement:	0.204232
Limits:	
Low:	0.36
Comparison Type:	LT (<)
Module Time:	0.067269
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Open Relay:	Passed
Module Time:	0.00358
Open Relay 10	
Test Relay Open:	Passed
Measurement:	INF
Limits:	
Low:	INF
Comparison Type:	EQ (==)
Module Time:	0.067292
Close Relay:	Passed
Module Time:	0.003534
Close Relay 11	
Test Relay Closed:	Passed
Measurement:	0.207946
Limits:	
Low:	0.36
Comparison Type:	LT (<)
Module Time:	0.067201
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Open Relay:	Passed
Module Time:	0.003544
Open Relay 11	
Test Relay Open:	Passed
Measurement:	INF
Limits:	
Low:	INF
Comparison Type:	EQ (==)
Module Time:	0.067066
Close Relay:	Passed
Module Time:	0.003581
Close Relay 12	
Test Relay Closed:	Passed
Measurement:	0.208375
Limits:	
Low:	0.36
Comparison Type:	LT (<)
Module Time:	0.066995
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Open Relay:	Passed
Module Time:	0.00354
Open Relay 12	
Test Relay Open:	Passed
Measurement:	INF

```

Limits:
  Low: INF
  Comparison Type: EQ (==)
  Module Time: 0.06732
Close Relay: Passed
  Module Time: 0.003532
  Close Relay 13
Test Relay Closed: Passed
  Measurement: 0.204476
  Limits:
    Low: 0.36
    Comparison Type: LT (<)
    Module Time: 0.067307
    Number of Loops: 1
    Number of Passes: 1
    Number of Failures: 0
    Final Loop Index: 1
Open Relay: Passed
  Module Time: 0.003548
  Open Relay 13
Test Relay Open: Passed
  Measurement: INF
  Limits:
    Low: INF
    Comparison Type: EQ (==)
    Module Time: 0.066994
Close Relay: Passed
  Module Time: 0.003548
  Close Relay 14
Test Relay Closed: Passed
  Measurement: 0.204459
  Limits:
    Low: 0.36
    Comparison Type: LT (<)
    Module Time: 0.067096
    Number of Loops: 1
    Number of Passes: 1
    Number of Failures: 0
    Final Loop Index: 1
Open Relay: Passed
  Module Time: 0.003536
  Open Relay 14
Test Relay Open: Passed
  Measurement: INF
  Limits:
    Low: INF
    Comparison Type: EQ (==)
    Module Time: 0.06703
Close Relay: Passed
  Module Time: 0.003532
  Close Relay 15
Test Relay Closed: Passed
  Measurement: 0.207087
  Limits:
    Low: 0.36
    Comparison Type: LT (<)
    Module Time: 0.067084
    Number of Loops: 1
    Number of Passes: 1
    Number of Failures: 0
    Final Loop Index: 1
Open Relay: Passed
  Module Time: 0.003679
  Open Relay 15
Test Relay Open: Passed
  Measurement: INF
  Limits:
    Low: INF
    Comparison Type: EQ (==)

```

```

Module Time: 0.067095
Close Relay: Passed
Module Time: 0.00358
Close Relay 16
Test Relay Closed: Passed
Measurement: 0.205274
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067056
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003564
Open Relay 16
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.06712
Close Relay: Passed
Module Time: 0.003565
Close Relay 17
Test Relay Closed: Passed
Measurement: 0.207481
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067047
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003573
Open Relay 17
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067105
Close Relay: Passed
Module Time: 0.003572
Close Relay 18
Test Relay Closed: Passed
Measurement: 0.210127
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067103
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003564
Open Relay 18
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.06716
Close Relay: Passed
Module Time: 0.003593

```

```

Test Close Relay 19
  Relay Closed: Passed
  Measurement: 0.193793
  Limits:
    Low: 0.36
  Comparison Type: LT (<)
  Module Time: 0.067102
  Number of Loops: 1
  Number of Passes: 1
  Number of Failures: 0
  Final Loop Index: 1
Open Relay: Passed
  Module Time: 0.003575
Open Relay 19
Test Relay Open: Passed
  Measurement: INF
  Limits:
    Low: INF
  Comparison Type: EQ (==)
  Module Time: 0.067186
Close Relay: Passed
  Module Time: 0.003563
Close Relay 20
Test Relay Closed: Passed
  Measurement: 0.200435
  Limits:
    Low: 0.36
  Comparison Type: LT (<)
  Module Time: 0.067098
  Number of Loops: 1
  Number of Passes: 1
  Number of Failures: 0
  Final Loop Index: 1
Open Relay: Passed
  Module Time: 0.003568
Open Relay 20
Test Relay Open: Passed
  Measurement: INF
  Limits:
    Low: INF
  Comparison Type: EQ (==)
  Module Time: 0.067206
Close Relay: Passed
  Module Time: 0.003566
Close Relay 21
Test Relay Closed: Passed
  Measurement: 0.202798
  Limits:
    Low: 0.36
  Comparison Type: LT (<)
  Module Time: 0.067037
  Number of Loops: 1
  Number of Passes: 1
  Number of Failures: 0
  Final Loop Index: 1
Open Relay: Passed
  Module Time: 0.003577
Open Relay 21
Test Relay Open: Passed
  Measurement: INF
  Limits:
    Low: INF
  Comparison Type: EQ (==)
  Module Time: 0.067274
Close Relay: Passed
  Module Time: 0.003573
Close Relay 22
Test Relay Closed: Passed
  Measurement: 0.208548

```

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Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067212
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003569
Open Relay 22
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067178
Close Relay: Passed
Module Time: 0.003565
Close Relay 23
Test Relay Closed: Passed
Measurement: 0.214964
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067297
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003574
Open Relay 23
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067325
Close Relay: Passed
Module Time: 0.003562
Close Relay 24
Test Relay Closed: Passed
Measurement: 0.226039
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067225
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.00358
Open Relay 24
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067258
Disable SMU Output: Done
Module Time: 0.001545

End Sequence: Pickering SPST Relays

Test Pickering 40-330-001 PXI-Slot4: Passed
Module Time: 28.244455

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Begin Sequence: Pickering SPST Relays
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Config SMU CH0: Done
Module Time: 0.001867
Enable SMU Output: Done
Module Time: 0.000665
Initialize Pickering Relay Card: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.01462
Test Card ID: Passed
String: Pickering 40-330-001
Limits:
String: Pickering 40-330-001
Comparison Type: Ignore Case
Module Time: 0.000522
PICKERING INTERFACES,40-330-001,373423,1.00
Close Relay: Passed
Module Time: 0.003603
Close Relay 1
Test Relay Closed: Passed
Measurement: 0.273217
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067188
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003559
Open Relay 1
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067338
Close Relay: Passed
Module Time: 0.003557
Close Relay 2
Test Relay Closed: Passed
Measurement: 0.273717
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067169
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003577
Open Relay 2
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067111
Close Relay: Passed
Module Time: 0.003566
Close Relay 3
Test Relay Closed: Passed
Measurement: 0.27236

```

Limits:
  Low: 0.36
  Comparison Type: LT (<)
  Module Time: 0.06733
  Number of Loops: 1
  Number of Passes: 1
  Number of Failures: 0
  Final Loop Index: 1
Open Relay: Passed
  Module Time: 0.003582
  Open Relay 3
Test Relay Open: Passed
  Measurement: INF
  Limits:
    Low: INF
    Comparison Type: EQ (==)
    Module Time: 0.067282
Close Relay: Passed
  Module Time: 0.003562
  Close Relay 4
Test Relay Closed: Passed
  Measurement: 0.270295
  Limits:
    Low: 0.36
    Comparison Type: LT (<)
    Module Time: 0.067306
    Number of Loops: 1
    Number of Passes: 1
    Number of Failures: 0
    Final Loop Index: 1
Open Relay: Passed
  Module Time: 0.003579
  Open Relay 4
Test Relay Open: Passed
  Measurement: INF
  Limits:
    Low: INF
    Comparison Type: EQ (==)
    Module Time: 0.067077
Close Relay: Passed
  Module Time: 0.003563
  Close Relay 5
Test Relay Closed: Passed
  Measurement: 0.269697
  Limits:
    Low: 0.36
    Comparison Type: LT (<)
    Module Time: 0.067085
    Number of Loops: 1
    Number of Passes: 1
    Number of Failures: 0
    Final Loop Index: 1
Open Relay: Passed
  Module Time: 0.003551
  Open Relay 5
Test Relay Open: Passed
  Measurement: INF
  Limits:
    Low: INF
    Comparison Type: EQ (==)
    Module Time: 0.067045
Close Relay: Passed
  Module Time: 0.003579
  Close Relay 6
Test Relay Closed: Passed
  Measurement: 0.2719
  Limits:
    Low: 0.36
    Comparison Type: LT (<)

```

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Module Time:	0.066981
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Open Relay:	Passed
Module Time:	0.003568
Open Relay 6	
Test Relay Open:	Passed
Measurement:	INF
Limits:	
Low:	INF
Comparison Type:	EQ (==)
Module Time:	0.067191
Close Relay:	Passed
Module Time:	0.00356
Close Relay 7	
Test Relay Closed:	Passed
Measurement:	0.269111
Limits:	
Low:	0.36
Comparison Type:	LT (<)
Module Time:	0.067026
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Open Relay:	Passed
Module Time:	0.003562
Open Relay 7	
Test Relay Open:	Passed
Measurement:	INF
Limits:	
Low:	INF
Comparison Type:	EQ (==)
Module Time:	0.067107
Close Relay:	Passed
Module Time:	0.003563
Close Relay 8	
Test Relay Closed:	Passed
Measurement:	0.270643
Limits:	
Low:	0.36
Comparison Type:	LT (<)
Module Time:	0.067152
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Open Relay:	Passed
Module Time:	0.003599
Open Relay 8	
Test Relay Open:	Passed
Measurement:	INF
Limits:	
Low:	INF
Comparison Type:	EQ (==)
Module Time:	0.067175
Close Relay:	Passed
Module Time:	0.003554
Close Relay 9	
Test Relay Closed:	Passed
Measurement:	0.270907
Limits:	
Low:	0.36
Comparison Type:	LT (<)
Module Time:	0.067179
Number of Loops:	1
Number of Passes:	1

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	Number of Failures:	0
	Final Loop Index:	1
Open	Relay:	Passed
	Module Time:	0.003567
	Open Relay 9	
Test	Relay Open:	Passed
	Measurement:	INF
	Limits:	
	Low:	INF
	Comparison Type:	EQ (==)
	Module Time:	0.06718
Close	Relay:	Passed
	Module Time:	0.003557
	Close Relay 10	
Test	Relay Closed:	Passed
	Measurement:	0.249744
	Limits:	
	Low:	0.36
	Comparison Type:	LT (<)
	Module Time:	0.067228
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
Open	Relay:	Passed
	Module Time:	0.003539
	Open Relay 10	
Test	Relay Open:	Passed
	Measurement:	INF
	Limits:	
	Low:	INF
	Comparison Type:	EQ (==)
	Module Time:	0.067202
Close	Relay:	Passed
	Module Time:	0.003557
	Close Relay 11	
Test	Relay Closed:	Passed
	Measurement:	0.250353
	Limits:	
	Low:	0.36
	Comparison Type:	LT (<)
	Module Time:	0.067386
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
Open	Relay:	Passed
	Module Time:	0.003594
	Open Relay 11	
Test	Relay Open:	Passed
	Measurement:	INF
	Limits:	
	Low:	INF
	Comparison Type:	EQ (==)
	Module Time:	0.067312
Close	Relay:	Passed
	Module Time:	0.003566
	Close Relay 12	
Test	Relay Closed:	Passed
	Measurement:	0.251547
	Limits:	
	Low:	0.36
	Comparison Type:	LT (<)
	Module Time:	0.067348
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
Open	Relay:	Passed

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	Module Time:	0.003553
	Open Relay 12	
Test	Relay Open:	Passed
	Measurement:	INF
	Limits:	
	Low:	INF
	Comparison Type:	EQ (==)
	Module Time:	0.067057
Close	Relay:	Passed
	Module Time:	0.003545
	Close Relay 13	
Test	Relay Closed:	Passed
	Measurement:	0.250884
	Limits:	
	Low:	0.36
	Comparison Type:	LT (<)
	Module Time:	0.067086
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
Open	Relay:	Passed
	Module Time:	0.00358
	Open Relay 13	
Test	Relay Open:	Passed
	Measurement:	INF
	Limits:	
	Low:	INF
	Comparison Type:	EQ (==)
	Module Time:	0.067098
Close	Relay:	Passed
	Module Time:	0.003545
	Close Relay 14	
Test	Relay Closed:	Passed
	Measurement:	0.251676
	Limits:	
	Low:	0.36
	Comparison Type:	LT (<)
	Module Time:	0.06707
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
Open	Relay:	Passed
	Module Time:	0.003565
	Open Relay 14	
Test	Relay Open:	Passed
	Measurement:	INF
	Limits:	
	Low:	INF
	Comparison Type:	EQ (==)
	Module Time:	0.067264
Close	Relay:	Passed
	Module Time:	0.003562
	Close Relay 15	
Test	Relay Closed:	Passed
	Measurement:	0.249648
	Limits:	
	Low:	0.36
	Comparison Type:	LT (<)
	Module Time:	0.067192
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
Open	Relay:	Passed
	Module Time:	0.003539
	Open Relay 15	
Test	Relay Open:	Passed

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	Measurement:	INF
	Limits:	
	Low:	INF
	Comparison Type:	EQ (==)
	Module Time:	0.067345
Close	Relay:	Passed
	Module Time:	0.003545
	Close Relay 16	
Test	Relay Closed:	Passed
	Measurement:	0.249835
	Limits:	
	Low:	0.36
	Comparison Type:	LT (<)
	Module Time:	0.066955
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
Open	Relay:	Passed
	Module Time:	0.003558
	Open Relay 16	
Test	Relay Open:	Passed
	Measurement:	INF
	Limits:	
	Low:	INF
	Comparison Type:	EQ (==)
	Module Time:	0.067072
Close	Relay:	Passed
	Module Time:	0.003656
	Close Relay 17	
Test	Relay Closed:	Passed
	Measurement:	0.252318
	Limits:	
	Low:	0.36
	Comparison Type:	LT (<)
	Module Time:	0.067126
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
Open	Relay:	Passed
	Module Time:	0.003555
	Open Relay 17	
Test	Relay Open:	Passed
	Measurement:	INF
	Limits:	
	Low:	INF
	Comparison Type:	EQ (==)
	Module Time:	0.067085
Close	Relay:	Passed
	Module Time:	0.003584
	Close Relay 18	
Test	Relay Closed:	Passed
	Measurement:	0.257152
	Limits:	
	Low:	0.36
	Comparison Type:	LT (<)
	Module Time:	0.067093
	Number of Loops:	1
	Number of Passes:	1
	Number of Failures:	0
	Final Loop Index:	1
Open	Relay:	Passed
	Module Time:	0.003552
	Open Relay 18	
Test	Relay Open:	Passed
	Measurement:	INF
	Limits:	
	Low:	INF

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```
Comparison Type: EQ (==)
Module Time: 0.067229
Close Relay: Passed
Module Time: 0.003548
Close Relay 19
Test Relay Closed: Passed
Measurement: 0.238982
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067295
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003559
Open Relay 19
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067326
Close Relay: Passed
Module Time: 0.003574
Close Relay 20
Test Relay Closed: Passed
Measurement: 0.246927
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067277
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003585
Open Relay 20
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067348
Close Relay: Passed
Module Time: 0.003586
Close Relay 21
Test Relay Closed: Passed
Measurement: 0.251837
Limits:
Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067002
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003565
Open Relay 21
Test Relay Open: Passed
Measurement: INF
Limits:
Low: INF
Comparison Type: EQ (==)
Module Time: 0.067022
Close Relay: Passed
```

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```
Module Time: 0.003561
Close Relay 22
Test Relay Closed: Passed
Measurement: 0.253313
Limits:
  Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067147
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.00355
Open Relay 22
Test Relay Open: Passed
Measurement: INF
Limits:
  Low: INF
Comparison Type: EQ (==)
Module Time: 0.067176
Close Relay: Passed
Module Time: 0.00358
Test Relay Closed: Passed
Measurement: 0.256818
Limits:
  Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067069
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003565
Open Relay 23
Test Relay Open: Passed
Measurement: INF
Limits:
  Low: INF
Comparison Type: EQ (==)
Module Time: 0.06731
Close Relay: Passed
Module Time: 0.003553
Test Relay Closed: Passed
Measurement: 0.263115
Limits:
  Low: 0.36
Comparison Type: LT (<)
Module Time: 0.067299
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Passed
Module Time: 0.003579
Open Relay 24
Test Relay Open: Passed
Measurement: INF
Limits:
  Low: INF
Comparison Type: EQ (==)
Module Time: 0.067036
Disable SMU Output: Done
Module Time: 0.00063
```

End Sequence: Pickering SPST Relays

Test Lambda PS1 & Chroma Load 1: Passed
Module Time: 6.239099

Begin Sequence: Lambda Power/Chroma Load
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Cfg Chroma Load:	Done
Module Time:	0.088657
Cfg Lambda Voltage:	Done
Module Time:	0.065338
Cfg Lambda Current:	Done
Module Time:	0.061403
Cfg Lambda Foldback:	Done
Module Time:	0.055509
Lambda ID:	Passed
String:	LAMBDA,GENH60-12.5-LAN
Limits:	
String:	LAMBDA,GENH60-12.5-LAN
Comparison Type:	Ignore Case
Module Time:	0.098477
Chroma Load ID:	Passed
String:	Chroma,6314,63103
Limits:	
String:	Chroma,6314,63103
Comparison Type:	Ignore Case
Module Time:	0.039268
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Driver Revision:	REV 1.0, 12/98, LV 4.1
Enable Load:	Done
Module Time:	0.002027
Enable Lambda:	Done
Module Time:	0.052363
Lambda Voltage Readback:	Passed
Measurement:	24.007
Limits:	
Low:	23.9
High:	24.1
Comparison Type:	GELE (>= <=)
Module Time:	0.0491
Lambda Current Readback:	Passed
Measurement:	12.47
Limits:	
Low:	12.4
High:	12.6
Comparison Type:	GELE (>= <=)
Module Time:	0.045878
Chroma Voltage Readback:	Passed
Measurement:	24.3175
Limits:	
Low:	24.2
High:	24.6
Comparison Type:	GELE (>= <=)
Module Time:	0.104758
Chroma Current Readback:	Passed
Measurement:	12.465
Limits:	
Low:	12.4
High:	12.6
Comparison Type:	GELE (>= <=)
Module Time:	0.102796
Disable Load:	Done
Module Time:	0.001882
Disable Lambda:	Done
Module Time:	0.06387

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End Sequence: Lambda Power/Chroma Load

Test Lambda PS2 & Chroma Load 2: Passed
Module Time: 6.163778

Begin Sequence: Lambda Power/Chroma Load
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Cfg Chroma Load: Done
Module Time: 0.053286
Cfg Lambda Voltage: Done
Module Time: 0.064389
Cfg Lambda Current: Done
Module Time: 0.062321
Cfg Lambda Foldback: Done
Module Time: 0.054481
Lambda ID: Passed
String: LAMBDA,GENH60-12.5-LAN
Limits:
String: LAMBDA,GENH60-12.5-LAN
Comparison Type: Ignore Case
Module Time: 0.0996
Chroma Load ID: Passed
String: Chroma,6314,63103
Limits:
String: Chroma,6314,63103
Comparison Type: Ignore Case
Module Time: 0.038417
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Driver Revision: REV 1.0, 12/98, LV 4.1
Enable Load: Done
Module Time: 0.001206
Enable Lambda: Done
Module Time: 0.053011
Lambda Voltage Readback: Passed
Measurement: 24.009
Limits:
Low: 23.9
High: 24.1
Comparison Type: GELE (>= <=)
Module Time: 0.04708
Lambda Current Readback: Passed
Measurement: 12.471
Limits:
Low: 12.4
High: 12.6
Comparison Type: GELE (>= <=)
Module Time: 0.056026
Chroma Voltage Readback: Passed
Measurement: 24.3475
Limits:
Low: 24.2
High: 24.6
Comparison Type: GELE (>= <=)
Module Time: 0.094113
Chroma Current Readback: Passed
Measurement: 12.495
Limits:
Low: 12.4
High: 12.6
Comparison Type: GELE (>= <=)
Module Time: 0.098754
Disable Load: Done
Module Time: 0.001266
Disable Lambda: Done
Module Time: 0.059253

End Sequence: Lambda Power/Chroma Load

Test Lambda PS3 & Chroma Load 3: Passed
Module Time: 6.165664

Begin Sequence: Lambda Power/Chroma Load
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Cfg Chroma Load: Done
Module Time: 0.051333
Cfg Lambda Voltage: Done
Module Time: 0.061402
Cfg Lambda Current: Done
Module Time: 0.063373
Cfg Lambda Foldback: Done
Module Time: 0.052392
Lambda ID: Passed
String: LAMBDA,GENH60-12.5-LAN
Limits:
String: LAMBDA,GENH60-12.5-LAN
Comparison Type: Ignore Case
Module Time: 0.096099
Chroma Load ID: Passed
String: Chroma,6314,63103
Limits:
String: Chroma,6314,63103
Comparison Type: Ignore Case
Module Time: 0.038908
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Driver Revision: REV 1.0, 12/98, LV 4.1
Enable Load: Done
Module Time: 0.001281
Enable Lambda: Done
Module Time: 0.055115
Lambda Voltage Readback: Passed
Measurement: 24.009
Limits:
Low: 23.9
High: 24.1
Comparison Type: GELE (>= <=)
Module Time: 0.045163
Lambda Current Readback: Passed
Measurement: 12.486
Limits:
Low: 12.4
High: 12.6
Comparison Type: GELE (>= <=)
Module Time: 0.059235
Chroma Voltage Readback: Passed
Measurement: 24.365
Limits:
Low: 24.2
High: 24.6
Comparison Type: GELE (>= <=)
Module Time: 0.10744
Chroma Current Readback: Passed
Measurement: 12.481875
Limits:
Low: 12.4
High: 12.6
Comparison Type: GELE (>= <=)
Module Time: 0.087931
Disable Load: Done
Module Time: 0.001157
Disable Lambda: Done

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Module Time: 0.059972

End Sequence: Lambda Power/Chroma Load

Test Lambda PS4 & Chroma Load 4: Passed
Module Time: 6.187654

Begin Sequence: Lambda Power/Chroma Load
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

cfg Chroma Load:	Done
Module Time:	0.053283
cfg Lambda Voltage:	Done
Module Time:	0.060353
cfg Lambda Current:	Done
Module Time:	0.062328
cfg Lambda Foldback:	Done
Module Time:	0.051349
Lambda ID:	Passed
String:	LAMBDA,GENH60-12.5-LAN
Limits:	
String:	LAMBDA,GENH60-12.5-LAN
Comparison Type:	Ignore Case
Module Time:	0.110854
Chroma Load ID:	Passed
String:	Chroma,6314,63103
Limits:	
String:	Chroma,6314,63103
Comparison Type:	Ignore Case
Module Time:	0.039799
Number of Loops:	1
Number of Passes:	1
Number of Failures:	0
Final Loop Index:	1
Driver Revision:	REV 1.0, 12/98, LV 4.1
Enable Load:	Done
Module Time:	0.001229
Enable Lambda:	Done
Module Time:	0.052569
Lambda Voltage Readback:	Passed
Measurement:	24.008
Limits:	
Low:	23.9
High:	24.1
Comparison Type:	GELE (>= <=)
Module Time:	0.042204
Lambda Current Readback:	Passed
Measurement:	12.599
Limits:	
Low:	12.4
High:	12.6
Comparison Type:	GELE (>= <=)
Module Time:	0.07502
Chroma Voltage Readback:	Passed
Measurement:	24.57875
Limits:	
Low:	24.2
High:	24.6
Comparison Type:	GELE (>= <=)
Module Time:	0.093439
Chroma Current Readback:	Passed
Measurement:	12.58875
Limits:	
Low:	12.4
High:	12.6
Comparison Type:	GELE (>= <=)
Module Time:	0.103721
Disable Load:	Done
Module Time:	0.001216

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Disable Lambda: Done
Module Time: 0.063191

End Sequence: Lambda Power/Chroma Load

Test DMM Triggered Multipoint Measurements: Passed
Module Time: 3.983737

Begin Sequence: Agilent 34411A
(C:\GTS Selftest\Rev L\TE82988 selftest rev L.seq)

Initialize TDS3054C: Done
Module Time: 0.057966
Initialize DMM: Done
Module Time: 0.046356
Initialize Pickering Relay Card: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.006127
Cfg TDS: Done
Module Time: 0.434799
Cfg DMM Measurement: Done
Module Time: 0.07878
Close SPDT Relay: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.003773
Generate Trigger: Done
Module Time: 0.003729
Test DMM Measurements: Passed
Measurement: 0.562118
Limits:
Low: 0.01
High: 1
Comparison Type: GELE (>= <=)
Module Time: 0.020316
Test VM Comp Frequency: Passed
Measurement: 50141
Units: Hz
Limits:
Low: 49900
High: 50250
Comparison Type: GELE (>= <=)
Module Time: 0.06701
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test VM Comp Pulse Width: Passed
Measurement: 0.000002
Units: Hz
Limits:
Low: 0.000002
High: 0.000002
Comparison Type: GELE (>= <=)
Module Time: 0.034806
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Open Relay: Done
Module Time: 0.00377
Reset DMM: Done
Module Time: 0.064709
Reset TDS: Done

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Module Time: 0.037488

End Sequence: Agilent 34411A

Test DMM & PRes Group A: Passed
Module Time: 28.04897

Begin Sequence: DMM/PRES
(C:\GTS Selftest\Rev L\TE82988 selftest rev L.seq)

Initialize DMM: Done
Module Time: 0.067586
Cfg DMM Measurement: Done
Module Time: 0.064358
Initialize GPRES group A: Passed
String:

Limits:
String:

Comparison Type: Ignore Case
Module Time: 0.055768
GX1164, EEPROM-Version:1, Board-Revision:A, FPGA-Version:0xA003,
S/N:11640307, Calibration-time:Fri Dec 01 05:51:48 2017

Set GPRES Resistance: Done
Module Time: 0.001118
Get DMM Measurement: Passed
Measurement: 2.16847
Limits:
Low: 1.12
High: 3.18
Comparison Type: GELE (>= <=)
Module Time: 1.193985
Set GPRES Resistance: Done
Module Time: 0.000557
Get DMM Measurement: Passed
Measurement: 4.090459
Limits:
Low: 3.04
High: 5.26
Comparison Type: GELE (>= <=)
Module Time: 1.181307
Set GPRES Resistance: Done
Module Time: 0.000554
Get DMM Measurement: Passed
Measurement: 8.410876
Limits:
Low: 6.88
High: 9.42
Comparison Type: GELE (>= <=)
Module Time: 1.189882
Set GPRES Resistance: Done
Module Time: 0.000553
Get DMM Measurement: Passed
Measurement: 15.899054
Limits:
Low: 14.56
High: 17.74

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Comparison Type:	GELE (>= <=)
Module Time:	1.188564
Set GPRES Resistance:	Done
Module Time:	0.000558
Get DMM Measurement:	Passed
Measurement:	31.879144
Limits:	
Low:	29.92
High:	34.38
Comparison Type:	GELE (>= <=)
Module Time:	1.17356
Set GPRES Resistance:	Done
Module Time:	0.000563
Get DMM Measurement:	Passed
Measurement:	63.840755
Limits:	
Low:	60.64
High:	67.66
Comparison Type:	GELE (>= <=)
Module Time:	1.183686
Set GPRES Resistance:	Done
Module Time:	0.000541
Get DMM Measurement:	Passed
Measurement:	127.760557
Limits:	
Low:	122.08
High:	134.22
Comparison Type:	GELE (>= <=)
Module Time:	1.201788
Set GPRES Resistance:	Done
Module Time:	0.000546
Get DMM Measurement:	Passed
Measurement:	255.8095
Limits:	
Low:	244.96
High:	267.34
Comparison Type:	GELE (>= <=)
Module Time:	1.183043
Set GPRES Resistance:	Done
Module Time:	0.000557
Get DMM Measurement:	Passed
Measurement:	512.154012
Limits:	
Low:	490.72
High:	533.58
Comparison Type:	GELE (>= <=)
Module Time:	1.192863
Set GPRES Resistance:	Done
Module Time:	0.000531
Get DMM Measurement:	Passed
Measurement:	1024.340465
Limits:	
Low:	982.24
High:	1066.06
Comparison Type:	GELE (>= <=)
Module Time:	1.197674
Set GPRES Resistance:	Done
Module Time:	0.000552
Get DMM Measurement:	Passed
Measurement:	2048.78109
Limits:	
Low:	1965.28
High:	2131.02
Comparison Type:	GELE (>= <=)
Module Time:	1.194809
Set GPRES Resistance:	Done
Module Time:	0.000563
Get DMM Measurement:	Passed
Measurement:	4097.168177

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```
Limits:
  Low: 3931.36
  High: 4260.94
  Comparison Type: GELE (>= <=)
  Module Time: 1.185038
Set GPRES Resistance: Done
  Module Time: 0.000553
Get DMM Measurement: Passed
  Measurement: 8195.254804
  Limits:
    Low: 7863.52
    High: 8520.78
    Comparison Type: GELE (>= <=)
    Module Time: 1.187446
Set GPRES Resistance: Done
  Module Time: 0.000539
Get DMM Measurement: Passed
  Measurement: 16391.122799
  Limits:
    Low: 15727.84
    High: 17040.46
    Comparison Type: GELE (>= <=)
    Module Time: 1.195969
Set GPRES Resistance: Done
  Module Time: 0.000544
Get DMM Measurement: Passed
  Measurement: 32779.772652
  Limits:
    Low: 31456.48
    High: 34079.82
    Comparison Type: GELE (>= <=)
    Module Time: 1.17827
Set GPRES Resistance: Done
  Module Time: 0.000541
Get DMM Measurement: Passed
  Measurement: 65562.818496
  Limits:
    Low: 62913.76
    High: 68158.54
    Comparison Type: GELE (>= <=)
    Module Time: 1.182581
Reset GPRes: Done
  Module Time: 0.001038
```

End Sequence: DMM/PRES

Test SMU CH1 & PRes Group B: Passed
Module Time: 5.90057

Begin Sequence: SMU/PRES
(C:\GTS Selftest\Rev L\TE82988 selftest rev L.seq)

```
Initialize PRes group B: Done
  Module Time: 0.001206
Select Power Supply: Done
  Module Time: 0.256797
Test PS5: Passed
  Measurement: 13.004
  Limits:
    Low: 12.9
    High: 13.1
    Comparison Type: GELE (>= <=)
    Module Time: 0.04189
Test CH1 Current Source: Passed
  Module Time: 1.758191
```

Begin Sequence: SMU/PRES Constant Current
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

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Cfg SMU Current Source: Done
Module Time: 0.002545
Cfg Sense: Done
Module Time: 0.002073
Cfg Output Current: Done
Module Time: 0.002674
Cfg Pres: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.02198
Enable SMU Output: Done
Module Time: 0.001545
Pres Readback: Passed
Measurement: 43689.419779
Limits:
Low: 42816.2
High: 44563.8
Comparison Type: GELE (>= <=)
Module Time: 0.001154
Test Output Current: Passed
Measurement: 0.0001
Limits:
Low: 0.000098
High: 0.000102
Comparison Type: GELE (>= <=)
Module Time: 0.067868
Test Compliance Voltage: Passed
Measurement: 4.373433
Limits:
Low: 4.15055
High: 4.58745
Comparison Type: GELE (>= <=)
Module Time: 0.067706
Disable SMU Output: Done
Module Time: 0.001805

End Sequence: SMU/Pres Constant Current

Test CH1 Voltage Source: Passed
Module Time: 1.748219

Begin Sequence: SMU/Pres Constant Voltage
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Cfg SMU Voltage Source: Done
Module Time: 0.002292
Cfg Output Voltage: Done
Module Time: 0.002696
Cfg Pres: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.022261
Enable SMU Output: Done
Module Time: 0.001523
Pres Readback: Passed
Measurement: 87380.455783
Limits:
Low: 85632.4
High: 89127.6
Comparison Type: GELE (>= <=)
Module Time: 0.001136
Test Output Voltage: Passed
Measurement: 14.998958
Limits:
Low: 14.7

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High: 15.3
Comparison Type: GELE (>= <=)
Module Time: 0.067748
Test Output Current: Passed
Measurement: 0.000172
Limits:
Low: 0.000163
High: 0.00018
Comparison Type: GELE (>= <=)
Module Time: 0.067909
Disable SMU Output: Done
Module Time: 0.00181

End Sequence: SMU/PRes Constant Voltage

Disable SMU Output: Done
Module Time: 0.001784
Reset SMU: Done
Module Time: 2.019518

End Sequence: SMU/PRes

Test Agilent 33220A Function Generator: Passed
Module Time: 22.706892

Begin Sequence: Agilent 33220A
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Initialize 33220A: Done
Module Time: 0.116388
Cfg External Trigger: Done
Module Time: 0.002118
Cfg Triggered Burst: Done
Module Time: 0.029736
Initialize TDS3054C: Done
Module Time: 0.045942
Test 1KHz: Passed
Module Time: 4.516902

Begin Sequence: Agilent 33220A Cfg/Test
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Cfg TDS Channel 1: Done
Module Time: 0.246391
Cfg 33220A waveform: Done
Module Time: 0.194532
Cfg Triggered Burst: Done
Module Time: 0.025095
Enable 33220a Output: Done
Module Time: 0.004554
TDS Single Sequence: Done
Module Time: 0.005856
Generate Trigger: Done
Module Time: 0.002887
Test for Acquisitions: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.007349
Test Frequency: Passed
Measurement: 1000
Units: Hz
Limits:
Low: 999
High: 1001
Comparison Type: GELE (>= <=)
Module Time: 0.040442
Number of Loops: 1

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```

    Number of Passes:      1
    Number of Failures:    0
    Final Loop Index:      1
Test Amplitude:           Passed
    Measurement:          4.96
    Units:                Volts
    Limits:
        Low:              4.8
        High:              5.1
    Comparison Type:      GELE (>= <=)
    Module Time:          0.030526
    Number of Loops:      1
    Number of Passes:     1
    Number of Failures:   0
    Final Loop Index:     1
Test Rise Time:           Passed
    Measurement:          0
    Units:                Sec
    Limits:
        Low:              0
        High:              0
    Comparison Type:      GELE (>= <=)
    Module Time:          0.033051
    Number of Loops:      1
    Number of Passes:     1
    Number of Failures:   0
    Final Loop Index:     1
Test Fall Time:           Passed
    Measurement:          0
    Units:                Hz
    Limits:
        Low:              0
        High:              0
    Comparison Type:      GELE (>= <=)
    Module Time:          0.032079
    Number of Loops:      1
    Number of Passes:     1
    Number of Failures:   0
    Final Loop Index:     1
Disable Output:           Done
    Module Time:          0.004729
```

End Sequence: Agilent 33220A Cfg/Test

```
Test 10Khz:               Passed
    Module Time:           4.284583
```

Begin Sequence: Agilent 33220A Cfg/Test
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

```

Cfg TDS Channel 1:        Done
    Module Time:          0.05642
Cfg 33220A waveform:      Done
    Module Time:          0.160044
Cfg Triggered Burst:      Done
    Module Time:          0.018315
Enable 33220a Output:     Done
    Module Time:          0.010031
TDS Single Sequence:      Done
    Module Time:          0.005234
Generate Trigger:         Done
    Module Time:          0.001512
Test for Acquisitions:    Passed
    Measurement:          1
    Limits:
        Low:              1
    Comparison Type:      EQ (==)
    Module Time:          0.006656
Test Frequency:           Passed
```

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Measurement: 9999.8
Units: Hz
Limits:
Low: 9998
High: 10002
Comparison Type: GELE (>= <=)
Module Time: 0.039544
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Amplitude: Passed
Measurement: 4.96
Units: Volts
Limits:
Low: 4.8
High: 5.1
Comparison Type: GELE (>= <=)
Module Time: 0.030259
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Rise Time: Passed
Measurement: 0
Units: Sec
Limits:
Low: 0
High: 0
Comparison Type: GELE (>= <=)
Module Time: 0.032516
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Fall Time: Passed
Measurement: 0
Units: Hz
Limits:
Low: 0
High: 0
Comparison Type: GELE (>= <=)
Module Time: 0.031523
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Disable Output: Done
Module Time: 0.004029

End Sequence: Agilent 33220A Cfg/Test

Test 100Khz: Passed
Module Time: 4.310928

Begin Sequence: Agilent 33220A Cfg/Test
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Cfg TDS Channel 1: Done
Module Time: 0.056373
Cfg 33220A waveform: Done
Module Time: 0.16022
Cfg Triggered Burst: Done
Module Time: 0.018235
Enable 33220a Output: Done
Module Time: 0.003917
TDS Single Sequence: Done
Module Time: 0.005204
Generate Trigger: Done

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Module Time: 0.001531
Test for Acquisitions: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.006646
Test Frequency: Passed
Measurement: 100010
Units: Hz
Limits:
Low: 99980
High: 100020
Comparison Type: GELE (>= <=)
Module Time: 0.075576
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Amplitude: Passed
Measurement: 5
Units: Volts
Limits:
Low: 4.8
High: 5.1
Comparison Type: GELE (>= <=)
Module Time: 0.030849
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Rise Time: Passed
Measurement: 0
Units: Sec
Limits:
Low: 0
High: 0
Comparison Type: GELE (>= <=)
Module Time: 0.031937
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Fall Time: Passed
Measurement: 0
Units: Hz
Limits:
Low: 0
High: 0
Comparison Type: GELE (>= <=)
Module Time: 0.030862
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Disable Output: Done
Module Time: 0.004028

End Sequence: Agilent 33220A Cfg/Test

Test 1Mhz: Passed
Module Time: 4.313439

Begin Sequence: Agilent 33220A Cfg/Test
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Cfg TDS Channel 1: Done
Module Time: 0.055509
Cfg 33220A waveform: Done

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Module Time: 0.160202
Cfg Triggered Burst: Done
Module Time: 0.018266
Enable 33220a Output: Done
Module Time: 0.003962
TDS Single Sequence: Done
Module Time: 0.005226
Generate Trigger: Done
Module Time: 0.001533
Test for Acquisitions: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.006636
Test Frequency: Passed
Measurement: 1000200
Units: Hz
Limits:
Low: 999500
High: 1000500
Comparison Type: GELE (>= <=)
Module Time: 0.076484
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Amplitude: Passed
Measurement: 5
Units: Volts
Limits:
Low: 4.8
High: 5.1
Comparison Type: GELE (>= <=)
Module Time: 0.031177
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Rise Time: Passed
Measurement: 0
Units: Sec
Limits:
Low: 0
High: 0
Comparison Type: GELE (>= <=)
Module Time: 0.031537
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Fall Time: Passed
Measurement: 0
Units: Hz
Limits:
Low: 0
High: 0
Comparison Type: GELE (>= <=)
Module Time: 0.030971
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Disable Output: Done
Module Time: 0.004091

End Sequence: Agilent 33220A Cfg/Test

Reset Function Generator: Done

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Module Time: 0.137365
Cfg 10Mhz Waveform: Done
Module Time: 0.146782
Enable 33220a Output: Done
Module Time: 0.010512
TDS AutoSet: Done
Module Time: 0.021561
Test Frequency: Passed
Measurement: 9995200
Units: Hz
Limits:
Low: 9995000
High: 10005000
Comparison Type: GELE (>= <=)
Module Time: 0.097424
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Amplitude: Passed
Measurement: 4.88
Units: Volts
Limits:
Low: 4.5
High: 5.1
Comparison Type: GELE (>= <=)
Module Time: 0.089229
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Rise Time: Passed
Measurement: 0
Units: Sec
Limits:
Low: 0
High: 0
Comparison Type: GELE (>= <=)
Module Time: 0.092318
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test Fall Time: Passed
Measurement: 0
Units: Hz
Limits:
Low: 0
High: 0
Comparison Type: GELE (>= <=)
Module Time: 0.091362
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Disable Output: Done
Module Time: 0.004698
Reset Function Generator: Done
Module Time: 0.137159
Reset Scope: Done
Module Time: 0.036913

End Sequence: Agilent 33220A

Test DAQ1 Analog I/O: Passed
Module Time: 1.628181

Begin Sequence: Analog I/O

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Cfg AOut0: Done
Module Time: 0.002177
Cfg AOut1: Done
Module Time: 0.00176
Cfg AOut2: Done
Module Time: 0.001734
Cfg AOut3: Done
Module Time: 0.001746
Test Differential Inputs: Passed
Module Time: 0.597362

Begin Sequence: Differential AIO
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Cfg Differential Inputs: Done
Module Time: 0.005141
Set AOut0 0.0V: Done
Module Time: 0.003781
Set AOut1 0.0V: Done
Module Time: 0.002818
Test Differential Inputs 0-6 @ 0.0V: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000242
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000229
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000242
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000307
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000268
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)

Data: -0.000242
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000346
Status: Passed
Module Time: 0.033277
Set AOut0 9.98V: Done
Module Time: 0.002554
Test Differential Inputs 0-6 @ 9.98V: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: 9.974772
High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979746
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: 9.974772
High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979836
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: 9.974772
High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979668
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: 9.974772
High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.97972
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: 9.974772
High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979746
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: 9.974772
High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979733
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: 9.974772
High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)

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```
Data: 9.979733
Status: Passed
Module Time: 0.030852
Set AOut0 0.0V: Done
Module Time: 0.002409
Set AOut1 9.98V: Done
Module Time: 0.002427
Test Differential Inputs 0-6 @ -9.98V: Passed
Measurement:
  Measurement[0] (Measurement 6):
    Limits:
      Low: -9.982528
      High: -9.974772
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -9.979822
    Status: Passed
  Measurement[1] (Measurement 1):
    Limits:
      Low: -9.982528
      High: -9.974772
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -9.979848
    Status: Passed
  Measurement[2] (Measurement 2):
    Limits:
      Low: -9.982528
      High: -9.974772
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -9.979835
    Status: Passed
  Measurement[3] (Measurement 3):
    Limits:
      Low: -9.982528
      High: -9.974772
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -9.979848
    Status: Passed
  Measurement[4] (Measurement 4):
    Limits:
      Low: -9.982528
      High: -9.974772
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -9.979848
    Status: Passed
  Measurement[5] (Measurement 5):
    Limits:
      Low: -9.982528
      High: -9.974772
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -9.979822
    Status: Passed
  Measurement[6] (Measurement 6):
    Limits:
      Low: -9.982528
      High: -9.974772
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -9.9799
    Status: Passed
Module Time: 0.030732
Set AOut2 0.0V: Done
Module Time: 0.002883
Set AOut3 0.0V: Done
```

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Module Time: 0.002788
Test Differential Inputs 8-14 @ 0.0V: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.00019
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000346
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000216
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000125
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000177
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000177
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000203
Status: Passed
Module Time: 0.030178
Set AOut2 9.98V: Done
Module Time: 0.002561
Test Differential Inputs 8-14 @ 9.98V: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: 9.974772
High: 9.982528
Units: volt

```
Comparison Type: GELE (>= <=)
Data: 9.980031
Status: Passed
Measurement[1] (Measurement 1):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.97994
Status: Passed
Measurement[2] (Measurement 2):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979992
Status: Passed
Measurement[3] (Measurement 3):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979966
Status: Passed
Measurement[4] (Measurement 4):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979992
Status: Passed
Measurement[5] (Measurement 5):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979992
Status: Passed
Measurement[6] (Measurement 6):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979966
Status: Passed
Module Time: 0.030297
Set AOut2 0.0V: Done
Module Time: 0.002477
Set AOut3 9.98V: Done
Module Time: 0.002429
Test Differential Inputs 8-14 @ -9.98V: Passed
Measurement:
Measurement[0] (Measurement 6):
Limits:
  Low: -9.982528
  High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.980055
Status: Passed
Measurement[1] (Measurement 1):
Limits:
  Low: -9.982528
```

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```
      High: -9.974772
      Units: volt
      Comparison Type: GELE (>= <=)
      Data: -9.980133
      Status: Passed
Measurement[2] (Measurement 2):
  Limits:
    Low: -9.982528
    High: -9.974772
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: -9.980029
  Status: Passed
Measurement[3] (Measurement 3):
  Limits:
    Low: -9.982528
    High: -9.974772
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: -9.980068
  Status: Passed
Measurement[4] (Measurement 4):
  Limits:
    Low: -9.982528
    High: -9.974772
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: -9.980094
  Status: Passed
Measurement[5] (Measurement 5):
  Limits:
    Low: -9.982528
    High: -9.974772
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: -9.980107
  Status: Passed
Measurement[6] (Measurement 6):
  Limits:
    Low: -9.982528
    High: -9.974772
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: -9.980146
  Status: Passed
Module Time: 0.030565
Clear Input Task: Done
Module Time: 0.002031
Set AOut0 0.0V: Done
Module Time: 0.002574
Set AOut1 0.0V: Done
Module Time: 0.002396
Set AOut2 0.0V: Done
Module Time: 0.0024
Set AOut3 0.0V: Done
Module Time: 0.002437
```

End Sequence: Differential AIO

```
Test NRSE Inputs: Passed
Module Time: 0.67405
```

Begin Sequence: NRSE AIO
(C:\GTS Selftest\Rev L\TE82988 selftest rev L.seq)

```
Cfg NRSE Inputs: Done
Module Time: 0.006342
Set AOut0 0.0V: Done
Module Time: 0.002635
```

Set AOut1 0.0V: Done
Module Time: 0.002491
Test NRSE Inputs 0-6 @ 0.0V: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000255
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000242
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000307
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000268
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000358
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000203
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.00041
Status: Passed
Module Time: 0.031544
Test NRSE Inputs 8-14 @ 0.0V: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)

```
Data: -0.000099
Status: Passed
Measurement[1] (Measurement 1):
Limits:
  Low: -0.00153
  High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000073
Status: Passed
Measurement[2] (Measurement 2):
Limits:
  Low: -0.00153
  High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000138
Status: Passed
Measurement[3] (Measurement 3):
Limits:
  Low: -0.00153
  High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000138
Status: Passed
Measurement[4] (Measurement 4):
Limits:
  Low: -0.00153
  High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000112
Status: Passed
Measurement[5] (Measurement 5):
Limits:
  Low: -0.00153
  High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000073
Status: Passed
Measurement[6] (Measurement 6):
Limits:
  Low: -0.00153
  High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000216
Status: Passed
Module Time: 0.030644
Set AOut0 9.98V: Done
Module Time: 0.002428
Test NRSE Inputs 0-6 @ 9.98V: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979759
Status: Passed
Measurement[1] (Measurement 1):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
```

```
Data: 9.979759
Status: Passed
Measurement[2] (Measurement 2):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979798
Status: Passed
Measurement[3] (Measurement 3):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979785
Status: Passed
Measurement[4] (Measurement 4):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979759
Status: Passed
Measurement[5] (Measurement 5):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979746
Status: Passed
Measurement[6] (Measurement 6):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979811
Status: Passed
Module Time: 0.030376
Test NRSE Inputs 8-14 @ 0.0V: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
  Low: -0.00153
  High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000099
Status: Passed
Measurement[1] (Measurement 1):
Limits:
  Low: -0.00153
  High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000073
Status: Passed
Measurement[2] (Measurement 2):
Limits:
  Low: -0.00153
  High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000073
Status: Passed
```

Measurement[3] (Measurement 3):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000151
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000138
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000034
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000086
Status: Passed
Module Time: 0.030461
Set AOut0 0.0V: Done
Module Time: 0.002477
Set AOut1 9.98V: Done
Module Time: 0.002469
Test NRSE Inputs 0-6 @ -9.98V: Passed

Measurement:
Measurement[0] (Measurement 6):
Limits:
Low: -9.982528
High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979861
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: -9.982528
High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979861
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: -9.982528
High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979861
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: -9.982528
High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)

Data: -9.979861
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: -9.982528
High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979874
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: -9.982528
High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979835
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: -9.982528
High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979861
Status: Passed
Module Time: 0.030432
Test NRSE Inputs 8-14 @ 0.0V: Passed

Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000255
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000203
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000216
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000203
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000203
Status: Passed

Measurement[5] (Measurement 5):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000203
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000047
Status: Passed
Module Time: 0.030415
Set AOut1 0.0V: Done
Module Time: 0.002538
Set AOut2 0.0V: Done
Module Time: 0.002503
Set AOut3 0.0V: Done
Module Time: 0.002416
Test NRSE Inputs 16-22 @ 0.0V: Passed

Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000203
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000125
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000177
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000177
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000164
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: -0.00153
High: 0.00153

Units: volt
Comparison Type: GELE (>= <=)
Data: -0.00019
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000242
Status: Passed
Module Time: 0.031058
Test NRSE Inputs 24-30 @ 0.0V: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.00006
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000086
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000138
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000086
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000086
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000086
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)

```
Data: -0.000099
Status: Passed
Module Time: 0.03049
Set AOut2 9.98V: Done
Module Time: 0.002446
Test NRSE Inputs 16-22 @ 9.98V: Passed
Measurement:
  Measurement[0] (Measurement 0):
    Limits:
      Low: 9.974772
      High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.980031
    Status: Passed
  Measurement[1] (Measurement 1):
    Limits:
      Low: 9.974772
      High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.979953
    Status: Passed
  Measurement[2] (Measurement 2):
    Limits:
      Low: 9.974772
      High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.979992
    Status: Passed
  Measurement[3] (Measurement 3):
    Limits:
      Low: 9.974772
      High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.980018
    Status: Passed
  Measurement[4] (Measurement 4):
    Limits:
      Low: 9.974772
      High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.98007
    Status: Passed
  Measurement[5] (Measurement 5):
    Limits:
      Low: 9.974772
      High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.980057
    Status: Passed
  Measurement[6] (Measurement 6):
    Limits:
      Low: 9.974772
      High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.980005
    Status: Passed
Module Time: 0.030304
Test NRSE Inputs 24-30 @ 0.0V: Passed
Measurement:
  Measurement[0] (Measurement 0):
    Limits:
      Low: -0.00153
```

```

    High: 0.00153
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -0.00006
    Status: Passed
Measurement[1] (Measurement 1):
    Limits:
        Low: -0.00153
        High: 0.00153
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -0.00006
    Status: Passed
Measurement[2] (Measurement 2):
    Limits:
        Low: -0.00153
        High: 0.00153
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -0.000125
    Status: Passed
Measurement[3] (Measurement 3):
    Limits:
        Low: -0.00153
        High: 0.00153
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -0.000112
    Status: Passed
Measurement[4] (Measurement 4):
    Limits:
        Low: -0.00153
        High: 0.00153
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -0.000099
    Status: Passed
Measurement[5] (Measurement 5):
    Limits:
        Low: -0.00153
        High: 0.00153
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -0.000099
    Status: Passed
Measurement[6] (Measurement 6):
    Limits:
        Low: -0.00153
        High: 0.00153
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -0.000099
    Status: Passed
Module Time: 0.030516
Set AOut2 0.0V: Done
Module Time: 0.002462
Set AOut3 9.98V: Done
Module Time: 0.002429
Test NRSE Inputs 16-22 @ -9.98V: Passed
Measurement:
Measurement[0] (Measurement 6):
    Limits:
        Low: -9.982528
        High: -9.974772
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -9.980029
    Status: Passed
Measurement[1] (Measurement 1):

```

```
Limits:
  Low:          -9.982528
  High:         -9.974772
Units:          volt
Comparison Type: GELE (>= <=)
Data:          -9.979939
Status:         Passed
Measurement[2] (Measurement 2):
  Limits:
    Low:          -9.982528
    High:         -9.974772
  Units:          volt
  Comparison Type: GELE (>= <=)
  Data:          -9.980042
  Status:         Passed
Measurement[3] (Measurement 3):
  Limits:
    Low:          -9.982528
    High:         -9.974772
  Units:          volt
  Comparison Type: GELE (>= <=)
  Data:          -9.980107
  Status:         Passed
Measurement[4] (Measurement 4):
  Limits:
    Low:          -9.982528
    High:         -9.974772
  Units:          volt
  Comparison Type: GELE (>= <=)
  Data:          -9.980016
  Status:         Passed
Measurement[5] (Measurement 5):
  Limits:
    Low:          -9.982528
    High:         -9.974772
  Units:          volt
  Comparison Type: GELE (>= <=)
  Data:          -9.980068
  Status:         Passed
Measurement[6] (Measurement 6):
  Limits:
    Low:          -9.982528
    High:         -9.974772
  Units:          volt
  Comparison Type: GELE (>= <=)
  Data:          -9.980133
  Status:         Passed
Module Time:    0.03109
Test NRSE Inputs 24-30@ 0.0V: Passed
Measurement:
  Measurement[0] (Measurement 0):
    Limits:
      Low:          -0.00153
      High:         0.00153
    Units:          volt
    Comparison Type: GELE (>= <=)
    Data:          -0.000216
    Status:         Passed
  Measurement[1] (Measurement 1):
    Limits:
      Low:          -0.00153
      High:         0.00153
    Units:          volt
    Comparison Type: GELE (>= <=)
    Data:          -0.000242
    Status:         Passed
  Measurement[2] (Measurement 2):
    Limits:
      Low:          -0.00153
```

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```
      High: 0.00153
      Units: volt
      Comparison Type: GELE (>= <=)
      Data: -0.000151
      Status: Passed
Measurement[3] (Measurement 3):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: -0.000164
  Status: Passed
Measurement[4] (Measurement 4):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: -0.000138
  Status: Passed
Measurement[5] (Measurement 5):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: -0.000112
  Status: Passed
Measurement[6] (Measurement 6):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: 0.000005
  Status: Passed
Module Time: 0.030377
Set AOut3 0.0V: Done
Module Time: 0.002466
Clear Input Task: Done
Module Time: 0.002154
Set AOut0 0.0V: Done
Module Time: 0.002409
Set AOut1 0.0V: Done
Module Time: 0.002483
Set AOut2 0.0V: Done
Module Time: 0.002474
Set AOut3 0.0V: Done
Module Time: 0.002455
```

End Sequence: NRSE AIO

```
Test RSE Inputs: Passed
Module Time: 0.235096
```

Begin Sequence: RSE AIO
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```
Cfg RSE Inputs: Done
Module Time: 0.003364
Set AOut0 0.0V: Done
Module Time: 0.00263
Set AOut1 1.0V: Done
Module Time: 0.002543
Set AOut2 2.0V: Done
Module Time: 0.002463
Set AOut3 3.0V: Done
Module Time: 0.002456
```

Test RSE Inputs 0-6 : Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: 0.99847
High: 1.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.999725
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: 0.99847
High: 1.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.999803
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: 0.99847
High: 1.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.999725
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: 0.99847
High: 1.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.999738
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: 0.99847
High: 1.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.999712
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: 0.99847
High: 1.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.99979
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: 0.99847
High: 1.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.999751
Status: Passed
Module Time: 0.032102
Test RSE Inputs 8-14: Passed

Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: 1.99847
High: 2.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 1.999939
Status: Passed

```

Measurement[1] (Measurement 1):
  Limits:
    Low:          1.99847
    High:         2.00153
  Units:         volt
  Comparison Type: GELE (>= <=)
  Data:          1.999926
  Status:         Passed
Measurement[2] (Measurement 2):
  Limits:
    Low:          1.99847
    High:         2.00153
  Units:         volt
  Comparison Type: GELE (>= <=)
  Data:          1.999939
  Status:         Passed
Measurement[3] (Measurement 3):
  Limits:
    Low:          1.99847
    High:         2.00153
  Units:         volt
  Comparison Type: GELE (>= <=)
  Data:          1.999913
  Status:         Passed
Measurement[4] (Measurement 4):
  Limits:
    Low:          1.99847
    High:         2.00153
  Units:         volt
  Comparison Type: GELE (>= <=)
  Data:          1.999926
  Status:         Passed
Measurement[5] (Measurement 5):
  Limits:
    Low:          1.99847
    High:         2.00153
  Units:         volt
  Comparison Type: GELE (>= <=)
  Data:          2.000017
  Status:         Passed
Measurement[6] (Measurement 6):
  Limits:
    Low:          1.99847
    High:         2.00153
  Units:         volt
  Comparison Type: GELE (>= <=)
  Data:          1.999926
  Status:         Passed
Module Time:     0.030991
Test RSE Inputs 16-22 : Passed
Measurement:
  Measurement[0] (Measurement 0):
    Limits:
      Low:          2.99847
      High:         3.00153
    Units:         volt
    Comparison Type: GELE (>= <=)
    Data:          3.000025
    Status:         Passed
  Measurement[1] (Measurement 1):
    Limits:
      Low:          2.99847
      High:         3.00153
    Units:         volt
    Comparison Type: GELE (>= <=)
    Data:          3.000051
    Status:         Passed
  Measurement[2] (Measurement 2):
    Limits:

```

Low: 2.99847
High: 3.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 3.000077
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: 2.99847
High: 3.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 3.000141
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: 2.99847
High: 3.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 3.000193
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: 2.99847
High: 3.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 3.000038
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: 2.99847
High: 3.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 3.000102
Status: Passed
Module Time: 0.030995
Test RSE Inputs 24-30: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: 3.99847
High: 4.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 4.000006
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: 3.99847
High: 4.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 4.000073
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: 3.99847
High: 4.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 4.000008
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: 3.99847
High: 4.00153

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```
Units:          volt
Comparison Type: GELE (>= <=)
Data:           4.00006
Status:         Passed
Measurement[4] (Measurement 4):
Limits:
  Low:          3.99847
  High:         4.00153
Units:          volt
Comparison Type: GELE (>= <=)
Data:           4.000086
Status:         Passed
Measurement[5] (Measurement 5):
Limits:
  Low:          3.99847
  High:         4.00153
Units:          volt
Comparison Type: GELE (>= <=)
Data:           3.999995
Status:         Passed
Measurement[6] (Measurement 6):
Limits:
  Low:          3.99847
  High:         4.00153
Units:          volt
Comparison Type: GELE (>= <=)
Data:           4.000073
Status:         Passed
Module Time:    0.031085
Clear Input Task: Done
Module Time:    0.002157
```

End Sequence: RSE AIO

```
Clear AOut0 Task: Done
Module Time:     0.001734
Clear AOut1 Task: Done
Module Time:     0.001587
Clear AOut2 Task: Done
Module Time:     0.001658
Clear AOut3 Task: Done
Module Time:     0.001598
```

End Sequence: Analog I/O

```
Test DAQ1 DIO:    Passed
Module Time:      1.825755
```

Begin Sequence: DAQ DIO

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```
Cfg Input Bits:   Done
Module Time:      0.005369
Cfg Output Bit:   Done
Module Time:      0.001973
Set Output On:    Done
Module Time:      0.001997
Read Input:       Passed
Measurement:      2147483647
Limits:
  Low:            2147483647
Comparison Type:  EQ (==)
Module Time:      0.001902
Set Output Off:   Done
Module Time:      0.001598
Read Input:       Passed
Measurement:      0
Limits:
  Low:            0
```

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```
Comparison Type: EQ (==)
Module Time: 0.001466
Cfg Input Bits: Done
Module Time: 0.001731
Cfg Output Bit: Done
Module Time: 0.001051
Set Output On: Done
Module Time: 0.001072
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001115
Set Output Off: Done
Module Time: 0.000781
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000667
Cfg Input Bits: Done
Module Time: 0.001821
Cfg Output Bit: Done
Module Time: 0.001085
Set Output On: Done
Module Time: 0.001098
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001069
Set Output Off: Done
Module Time: 0.000737
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000666
Cfg Input Bits: Done
Module Time: 0.001727
Cfg Output Bit: Done
Module Time: 0.001083
Set Output On: Done
Module Time: 0.001063
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001075
Set Output Off: Done
Module Time: 0.000746
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000621
Cfg Input Bits: Done
Module Time: 0.00187
Cfg Output Bit: Done
Module Time: 0.001065
Set Output On: Done
Module Time: 0.001079
Read Input: Passed
```

```

Measurement: 2147483647
Limits:
  Low: 2147483647
  Comparison Type: EQ (==)
  Module Time: 0.001091
Set Output Off: Done
  Module Time: 0.000772
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.000659
Cfg Input Bits: Done
  Module Time: 0.001687
Cfg Output Bit: Done
  Module Time: 0.001074
Set Output On: Done
  Module Time: 0.001091
Read Input: Passed
  Measurement: 2147483647
  Limits:
    Low: 2147483647
    Comparison Type: EQ (==)
    Module Time: 0.001105
Set Output Off: Done
  Module Time: 0.000753
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.000649
Cfg Input Bits: Done
  Module Time: 0.001716
Cfg Output Bit: Done
  Module Time: 0.001069
Set Output On: Done
  Module Time: 0.001073
Read Input: Passed
  Measurement: 2147483647
  Limits:
    Low: 2147483647
    Comparison Type: EQ (==)
    Module Time: 0.001066
Set Output Off: Done
  Module Time: 0.000713
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.00063
Cfg Input Bits: Done
  Module Time: 0.001698
Cfg Output Bit: Done
  Module Time: 0.001044
Set Output On: Done
  Module Time: 0.001068
Read Input: Passed
  Measurement: 2147483647
  Limits:
    Low: 2147483647
    Comparison Type: EQ (==)
    Module Time: 0.001128
Set Output Off: Done
  Module Time: 0.000768
Read Input: Passed
  Measurement: 0

```

```

Limits:
  Low: 0
  Comparison Type: EQ (==)
  Module Time: 0.000656
Cfg Input Bits: Done
  Module Time: 0.001892
Cfg Output Bit: Done
  Module Time: 0.001074
Set Output On: Done
  Module Time: 0.001107
Read Input: Passed
  Measurement: 2147483647
  Limits:
    Low: 2147483647
    Comparison Type: EQ (==)
    Module Time: 0.001081
Set Output Off: Done
  Module Time: 0.000744
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.000646
Cfg Input Bits: Done
  Module Time: 0.001712
Cfg Output Bit: Done
  Module Time: 0.001066
Set Output On: Done
  Module Time: 0.001051
Read Input: Passed
  Measurement: 2147483647
  Limits:
    Low: 2147483647
    Comparison Type: EQ (==)
    Module Time: 0.001041
Set Output Off: Done
  Module Time: 0.000708
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.000626
Cfg Input Bits: Done
  Module Time: 0.001903
Cfg Output Bit: Done
  Module Time: 0.00103
Set Output On: Done
  Module Time: 0.001028
Read Input: Passed
  Measurement: 2147483647
  Limits:
    Low: 2147483647
    Comparison Type: EQ (==)
    Module Time: 0.001031
Set Output Off: Done
  Module Time: 0.000769
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.000658
Cfg Input Bits: Done
  Module Time: 0.001876
Cfg Output Bit: Done
  Module Time: 0.001124
Set Output On: Done

```

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Module Time: 0.001118
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.0011
Set Output Off: Done
Module Time: 0.000752
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000634
Cfg Input Bits: Done
Module Time: 0.001758
Cfg Output Bit: Done
Module Time: 0.00104
Set Output On: Done
Module Time: 0.001071
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001031
Set Output Off: Done
Module Time: 0.000704
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000621
Cfg Input Bits: Done
Module Time: 0.001706
Cfg Output Bit: Done
Module Time: 0.001072
Set Output On: Done
Module Time: 0.001083
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001109
Set Output Off: Done
Module Time: 0.000777
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000662
Cfg Input Bits: Done
Module Time: 0.001677
Cfg Output Bit: Done
Module Time: 0.001031
Set Output On: Done
Module Time: 0.001098
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001095
Set Output Off: Done
Module Time: 0.000748

```

Read Input: Passed
Measurement: 0
Limits:
  Low: 0
  Comparison Type: EQ (==)
  Module Time: 0.000642
Cfg Input Bits: Done
  Module Time: 0.001892
Cfg Output Bit: Done
  Module Time: 0.001071
Set Output On: Done
  Module Time: 0.001061
Read Input: Passed
Measurement: 2147483647
Limits:
  Low: 2147483647
  Comparison Type: EQ (==)
  Module Time: 0.001128
Set Output Off: Done
  Module Time: 0.000761
Read Input: Passed
Measurement: 0
Limits:
  Low: 0
  Comparison Type: EQ (==)
  Module Time: 0.000674
Cfg Input Bits: Done
  Module Time: 0.001716
Cfg Output Bit: Done
  Module Time: 0.001067
Set Output On: Done
  Module Time: 0.001079
Read Input: Passed
Measurement: 2147483647
Limits:
  Low: 2147483647
  Comparison Type: EQ (==)
  Module Time: 0.001092
Set Output Off: Done
  Module Time: 0.000772
Read Input: Passed
Measurement: 0
Limits:
  Low: 0
  Comparison Type: EQ (==)
  Module Time: 0.000687
Cfg Input Bits: Done
  Module Time: 0.001685
Cfg Output Bit: Done
  Module Time: 0.001043
Set Output On: Done
  Module Time: 0.001124
Read Input: Passed
Measurement: 2147483647
Limits:
  Low: 2147483647
  Comparison Type: EQ (==)
  Module Time: 0.001079
Set Output Off: Done
  Module Time: 0.000746
Read Input: Passed
Measurement: 0
Limits:
  Low: 0
  Comparison Type: EQ (==)
  Module Time: 0.000659
Cfg Input Bits: Done
  Module Time: 0.001731
Cfg Output Bit: Done

```

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Module Time: 0.001087
Set Output On: Done
Module Time: 0.001066
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001057
Set Output Off: Done
Module Time: 0.000749
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000687
Cfg Input Bits: Done
Module Time: 0.001731
Cfg Output Bit: Done
Module Time: 0.001049
Set Output On: Done
Module Time: 0.001073
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001083
Set Output Off: Done
Module Time: 0.000777
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000673
Cfg Input Bits: Done
Module Time: 0.001723
Cfg Output Bit: Done
Module Time: 0.001103
Set Output On: Done
Module Time: 0.001067
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001118
Set Output Off: Done
Module Time: 0.000747
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000672
Cfg Input Bits: Done
Module Time: 0.001715
Cfg Output Bit: Done
Module Time: 0.001088
Set Output On: Done
Module Time: 0.001074
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.00107

```

Set Output Off: Done
  Module Time: 0.000752
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.000698
Cfg Input Bits: Done
  Module Time: 0.001905
Cfg Output Bit: Done
  Module Time: 0.001042
Set Output On: Done
  Module Time: 0.001077
Read Input: Passed
  Measurement: 2147483647
  Limits:
    Low: 2147483647
    Comparison Type: EQ (==)
    Module Time: 0.001084
Set Output Off: Done
  Module Time: 0.000782
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.00066
Cfg Input Bits: Done
  Module Time: 0.001677
Cfg Output Bit: Done
  Module Time: 0.001076
Set Output On: Done
  Module Time: 0.001093
Read Input: Passed
  Measurement: 2147483647
  Limits:
    Low: 2147483647
    Comparison Type: EQ (==)
    Module Time: 0.001343
Set Output Off: Done
  Module Time: 0.000767
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.000662
Cfg Input Bits: Done
  Module Time: 0.001728
Cfg Output Bit: Done
  Module Time: 0.001082
Set Output On: Done
  Module Time: 0.001077
Read Input: Passed
  Measurement: 2147483647
  Limits:
    Low: 2147483647
    Comparison Type: EQ (==)
    Module Time: 0.001077
Set Output Off: Done
  Module Time: 0.000762
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.000676
Cfg Input Bits: Done

```

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```
Module Time: 0.001708
Cfg Output Bit: Done
Module Time: 0.001065
Set Output On: Done
Module Time: 0.001056
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001064
Set Output Off: Done
Module Time: 0.000774
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000668
Cfg Input Bits: Done
Module Time: 0.001673
Cfg Output Bit: Done
Module Time: 0.001066
Set Output On: Done
Module Time: 0.00109
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001121
Set Output Off: Done
Module Time: 0.00075
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000698
Cfg Input Bits: Done
Module Time: 0.001718
Cfg Output Bit: Done
Module Time: 0.001083
Set Output On: Done
Module Time: 0.001076
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001056
Set Output Off: Done
Module Time: 0.000759
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000672
Cfg Input Bits: Done
Module Time: 0.001724
Cfg Output Bit: Done
Module Time: 0.001055
Set Output On: Done
Module Time: 0.001057
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
```

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```
Comparison Type: EQ (==)
Module Time: 0.001103
Set Output Off: Done
Module Time: 0.000777
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000669
Cfg Input Bits: Done
Module Time: 0.001684
Cfg Output Bit: Done
Module Time: 0.001128
Set Output On: Done
Module Time: 0.001095
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001076
Set Output Off: Done
Module Time: 0.000747
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000667
Cfg Input Bits: Done
Module Time: 0.001896
Cfg Output Bit: Done
Module Time: 0.001098
Set Output On: Done
Module Time: 0.001066
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001059
Set Output Off: Done
Module Time: 0.000766
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000671
Cfg Input Bits: Done
Module Time: 0.001763
Cfg Output Bit: Done
Module Time: 0.001062
Set Output On: Done
Module Time: 0.001049
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001047
Set Output Off: Done
Module Time: 0.000773
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
```

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Module Time: 0.000676
Clear Input Task: Done
Module Time: 0.001662
Clear Output Task: Done
Module Time: 0.001413

End Sequence: DAQ DIO

Test DAQ1 Timer/Counter 0: Passed
Module Time: 3.164153

Begin Sequence: Timer/Counter
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Turn all channels off: Done
Module Time: 0.103193

Cfg Scope: Done
Module Time: 0.36117

Cfg Trigger: Done
Module Time: 0.029376

Cfg TMR/CTR: Done
Module Time: 0.005861

Cfg Timebase Clk: Done
Module Time: 0.002144

Trigger Timer/Counter: Done
Module Time: 0.002549

Test if Scope Triggered: Passed
Measurement: 1

Limits:
Low: 1

Comparison Type: EQ (==)
Module Time: 0.058027

Number of Loops: 1
Number of Passes: 1

Number of Failures: 0
Final Loop Index: 1

Test if Scope Triggered (Loop Index: 0): Passed
Measurement: 1

Limits:
Low: 1

Comparison Type: EQ (==)
Module Time: 0.058027

Test Timer/Counter Output Pulse width: Passed
Measurement: 0.0001

Limits:
Low: 0.0001

High: 0.0001

Comparison Type: GELE (>= <=)
Module Time: 0.068829

Stop tmr/ctr task: Done
Module Time: 0.001529

Stop Timebase task: Done
Module Time: 0.00163

Cfg TMR/CTR: Done
Module Time: 0.002519

Cfg Timebase Clk: Done
Module Time: 0.001905

Set Horizontal Scale: Done
Module Time: 0.016545

Trigger Timer/Counter: Done
Module Time: 0.002357

Test if Scope Triggered: Passed
Measurement: 1

Limits:
Low: 1

Comparison Type: EQ (==)
Module Time: 0.052393

Number of Loops: 2
Number of Passes: 1

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Number of Failures: 1
Final Loop Index: 2
Test if Scope Triggered (Loop Index: 0): Failed
Measurement: 0
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.045629
Test if Scope Triggered (Loop Index: 1): Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.006763
Test Timer/Counter Output Pulse Width: Passed
Measurement: 0.000001
Limits:
Low: 0.000001
High: 0.000001
Comparison Type: GELE (>= <=)
Module Time: 0.106202
Clear tmr/ctr task: Done
Module Time: 0.002028
Clear Timebase task: Done
Module Time: 0.001625

End Sequence: Timer/Counter

Test DAQ1 Timer/Counter 1: Passed
Module Time: 3.198496

Begin Sequence: Timer/Counter
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Turn all channels off: Done
Module Time: 0.226825
Cfg Scope: Done
Module Time: 0.272326
Cfg Trigger: Done
Module Time: 0.047963
Cfg TMR/CTR: Done
Module Time: 0.002416
Cfg Timebase Clk: Done
Module Time: 0.001057
Trigger Timer/Counter: Done
Module Time: 0.001414
Test if Scope Triggered: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.068593
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test if Scope Triggered (Loop Index: 0): Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.068593
Test Timer/Counter Output Pulse Width: Passed
Measurement: 0.0001
Limits:
Low: 0.0001
High: 0.0001
Comparison Type: GELE (>= <=)
Module Time: 0.068439

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Stop tmr/ctr task: Done
Module Time: 0.000655
Stop Timebase task: Done
Module Time: 0.000612
Cfg TMR/CTR: Done
Module Time: 0.001688
Cfg Timebase Clk: Done
Module Time: 0.001096
Set Horizontal Scale: Done
Module Time: 0.016089
Trigger Timer/Counter: Done
Module Time: 0.001453
Test if Scope Triggered: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.050601
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test if Scope Triggered (Loop Index: 0): Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.050601
Test Timer/Counter Output Pulse Width: Passed
Measurement: 0.000001
Limits:
Low: 0.000001
High: 0.000001
Comparison Type: GELE (>= <=)
Module Time: 0.104849
Clear tmr/ctr task: Done
Module Time: 0.000959
Clear Timebase task: Done
Module Time: 0.000765

End Sequence: Timer/Counter

Test NI PXI-6515: Passed
Module Time: 0.715264

Begin Sequence: HV-DIO
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Init HV DIO: Done
Module Time: 0.035476
Write Port 4: Done
Module Time: 0.002148
Read Port 0: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.002604
Write Port 4: Done
Module Time: 0.000699
Read Port 0: Passed
Measurement: 2
Limits:
Low: 2
Comparison Type: EQ (==)
Module Time: 0.000591
Write Port 4: Done
Module Time: 0.000665
Read Port 0: Passed

```

Measurement: 4
Limits:
  Low: 4
Comparison Type: EQ (==)
Module Time: 0.000621
Write Port 4: Done
Module Time: 0.00065
Read Port 0: Passed
Measurement: 8
Limits:
  Low: 8
Comparison Type: EQ (==)
Module Time: 0.000555
Write Port 4: Done
Module Time: 0.000683
Read Port 0: Passed
Measurement: 16
Limits:
  Low: 16
Comparison Type: EQ (==)
Module Time: 0.000574
Write Port 4: Done
Module Time: 0.000682
Read Port 0: Passed
Measurement: 32
Limits:
  Low: 32
Comparison Type: EQ (==)
Module Time: 0.000594
Write Port 4: Done
Module Time: 0.000647
Read Port 0: Passed
Measurement: 64
Limits:
  Low: 64
Comparison Type: EQ (==)
Module Time: 0.000554
Write Port 4: Done
Module Time: 0.000647
Read Port 0: Passed
Measurement: 128
Limits:
  Low: 128
Comparison Type: EQ (==)
Module Time: 0.00058
Clear Port 4: Done
Module Time: 0.001399
Write Port 5: Done
Module Time: 0.001868
Read Port 1: Passed
Measurement: 1
Limits:
  Low: 1
Comparison Type: EQ (==)
Module Time: 0.001722
Write Port 5: Done
Module Time: 0.000657
Read Port 1: Passed
Measurement: 2
Limits:
  Low: 2
Comparison Type: EQ (==)
Module Time: 0.000617
Write Port 5: Done
Module Time: 0.000648
Read Port 1: Passed
Measurement: 4
Limits:
  Low: 4

```

```

    Comparison Type:      EQ (==)
    Module Time:          0.000564
Write Port 5:            Done
    Module Time:          0.000683
Read Port 1:             Passed
    Measurement:          8
    Limits:
        Low:              8
    Comparison Type:      EQ (==)
    Module Time:          0.000599
Write Port 5:            Done
    Module Time:          0.000667
Read Port 1:             Passed
    Measurement:          16
    Limits:
        Low:              16
    Comparison Type:      EQ (==)
    Module Time:          0.000611
Write Port 5:            Done
    Module Time:          0.000654
Read Port 1:             Passed
    Measurement:          32
    Limits:
        Low:              32
    Comparison Type:      EQ (==)
    Module Time:          0.000562
Write Port 5:            Done
    Module Time:          0.00068
Read Port 1:             Passed
    Measurement:          64
    Limits:
        Low:              64
    Comparison Type:      EQ (==)
    Module Time:          0.000593
Write Port 5:            Done
    Module Time:          0.000645
Read Port 1:             Passed
    Measurement:          128
    Limits:
        Low:              128
    Comparison Type:      EQ (==)
    Module Time:          0.000607
Clear Port 5:            Done
    Module Time:          0.001416
Write Port 6:            Done
    Module Time:          0.001446
Read Port 2:             Passed
    Measurement:          1
    Limits:
        Low:              1
    Comparison Type:      EQ (==)
    Module Time:          0.001407
Write Port 6:            Done
    Module Time:          0.000632
Read Port 2:             Passed
    Measurement:          2
    Limits:
        Low:              2
    Comparison Type:      EQ (==)
    Module Time:          0.000555
Write Port 6:            Done
    Module Time:          0.000683
Read Port 2:             Passed
    Measurement:          4
    Limits:
        Low:              4
    Comparison Type:      EQ (==)
    Module Time:          0.000583
Write Port 6:            Done

```

```

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  Module Time: 0.000678
Read Port 2: Passed
  Measurement: 8
  Limits:
    Low: 8
    Comparison Type: EQ (==)
    Module Time: 0.000603
Write Port 6: Done
  Module Time: 0.00065
Read Port 2: Passed
  Measurement: 16
  Limits:
    Low: 16
    Comparison Type: EQ (==)
    Module Time: 0.000558
Write Port 6: Done
  Module Time: 0.000685
Read Port 2: Passed
  Measurement: 32
  Limits:
    Low: 32
    Comparison Type: EQ (==)
    Module Time: 0.000581
Write Port 6: Done
  Module Time: 0.00066
Read Port 2: Passed
  Measurement: 64
  Limits:
    Low: 64
    Comparison Type: EQ (==)
    Module Time: 0.000615
Write Port 6: Done
  Module Time: 0.000671
Read Port 2: Passed
  Measurement: 128
  Limits:
    Low: 128
    Comparison Type: EQ (==)
    Module Time: 0.000566
Clear Port 6: Done
  Module Time: 0.001411
Write Port 7: Done
  Module Time: 0.001413
Read Port 3: Passed
  Measurement: 1
  Limits:
    Low: 1
    Comparison Type: EQ (==)
    Module Time: 0.001404
Write Port 7: Done
  Module Time: 0.000686
Read Port 3: Passed
  Measurement: 2
  Limits:
    Low: 2
    Comparison Type: EQ (==)
    Module Time: 0.000575
Write Port 7: Done
  Module Time: 0.000667
Read Port 3: Passed
  Measurement: 4
  Limits:
    Low: 4
    Comparison Type: EQ (==)
    Module Time: 0.000597
Write Port 7: Done
  Module Time: 0.000662
Read Port 3: Passed
  Measurement: 8

```

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```
Limits:
  Low: 8
  Comparison Type: EQ (==)
  Module Time: 0.00056
Write Port 7: Done
  Module Time: 0.000692
Read Port 3: Passed
  Measurement: 16
Limits:
  Low: 16
  Comparison Type: EQ (==)
  Module Time: 0.000612
Write Port 7: Done
  Module Time: 0.000648
Read Port 3: Passed
  Measurement: 32
Limits:
  Low: 32
  Comparison Type: EQ (==)
  Module Time: 0.000607
Write Port 7: Done
  Module Time: 0.000657
Read Port 3: Passed
  Measurement: 64
Limits:
  Low: 64
  Comparison Type: EQ (==)
  Module Time: 0.000561
Write Port 7: Done
  Module Time: 0.000692
Read Port 3: Passed
  Measurement: 128
Limits:
  Low: 128
  Comparison Type: EQ (==)
  Module Time: 0.000563
Clear Port 7: Done
  Module Time: 0.001422
Clear HV-DIO Tasks: Done
  Module Time: 0.00282
```

End Sequence: HV-DIO

Test DAQ2 Analog I/O: Passed
Module Time: 1.487707

Begin Sequence: Analog I/O
(C:\GTS Selftest\Rev L\TE82988 selftest rev L.seq)

```
Cfg AOut0: Done
  Module Time: 0.016768
Cfg AOut1: Done
  Module Time: 0.000906
Cfg AOut2: Done
  Module Time: 0.000916
Cfg AOut3: Done
  Module Time: 0.000946
Test Differential Inputs: Passed
  Module Time: 0.422804
```

Begin Sequence: Differential AIO
(C:\GTS Selftest\Rev L\TE82988 selftest rev L.seq)

```
Cfg Differential Inputs: Done
  Module Time: 0.003898
Set AOut0 0.0V: Done
  Module Time: 0.001997
Set AOut1 0.0V: Done
  Module Time: 0.001952
```

Test Differential Inputs 0-6 @ 0.0V: Passed

Measurement:

Measurement[0] (Measurement 0):

Limits:

Low: -0.00153

High: 0.00153

Units: volt

Comparison Type: GELE (>= <=)

Data: 0.000114

Status: Passed

Measurement[1] (Measurement 1):

Limits:

Low: -0.00153

High: 0.00153

Units: volt

Comparison Type: GELE (>= <=)

Data: 0.000114

Status: Passed

Measurement[2] (Measurement 2):

Limits:

Low: -0.00153

High: 0.00153

Units: volt

Comparison Type: GELE (>= <=)

Data: 0.000076

Status: Passed

Measurement[3] (Measurement 3):

Limits:

Low: -0.00153

High: 0.00153

Units: volt

Comparison Type: GELE (>= <=)

Data: 0.00005

Status: Passed

Measurement[4] (Measurement 4):

Limits:

Low: -0.00153

High: 0.00153

Units: volt

Comparison Type: GELE (>= <=)

Data: 0.000192

Status: Passed

Measurement[5] (Measurement 5):

Limits:

Low: -0.00153

High: 0.00153

Units: volt

Comparison Type: GELE (>= <=)

Data: 0.000153

Status: Passed

Measurement[6] (Measurement 6):

Limits:

Low: -0.00153

High: 0.00153

Units: volt

Comparison Type: GELE (>= <=)

Data: 0.000153

Status: Passed

Module Time: 0.031833

Set AOut0 9.98V: Done

Module Time: 0.001575

Test Differential Inputs 0-6 @ 9.98V: Passed

Measurement:

Measurement[0] (Measurement 0):

Limits:

Low: 9.974772

High: 9.982528

Units: volt

Comparison Type: GELE (>= <=)

```
Data: 9.979994
Status: Passed
Measurement[1] (Measurement 1):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979929
Status: Passed
Measurement[2] (Measurement 2):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979916
Status: Passed
Measurement[3] (Measurement 3):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979877
Status: Passed
Measurement[4] (Measurement 4):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.980033
Status: Passed
Measurement[5] (Measurement 5):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979955
Status: Passed
Measurement[6] (Measurement 6):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.980111
Status: Passed
Module Time: 0.030285
Set AOut0 0.0V: Done
Module Time: 0.001544
Set AOut1 9.98V: Done
Module Time: 0.001514
Test Differential Inputs 0-6 @ -9.98V: Passed
Measurement:
Measurement[0] (Measurement 6):
Limits:
  Low: -9.982528
  High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979602
Status: Passed
Measurement[1] (Measurement 1):
Limits:
  Low: -9.982528
  High: -9.974772
```

```

Units:          volt
Comparison Type: GELE (>= <=)
Data:           -9.97968
Status:         Passed
Measurement[2] (Measurement 2):
Limits:
  Low:          -9.982528
  High:         -9.974772
Units:          volt
Comparison Type: GELE (>= <=)
Data:           -9.979667
Status:         Passed
Measurement[3] (Measurement 3):
Limits:
  Low:          -9.982528
  High:         -9.974772
Units:          volt
Comparison Type: GELE (>= <=)
Data:           -9.979654
Status:         Passed
Measurement[4] (Measurement 4):
Limits:
  Low:          -9.982528
  High:         -9.974772
Units:          volt
Comparison Type: GELE (>= <=)
Data:           -9.979641
Status:         Passed
Measurement[5] (Measurement 5):
Limits:
  Low:          -9.982528
  High:         -9.974772
Units:          volt
Comparison Type: GELE (>= <=)
Data:           -9.979654
Status:         Passed
Measurement[6] (Measurement 6):
Limits:
  Low:          -9.982528
  High:         -9.974772
Units:          volt
Comparison Type: GELE (>= <=)
Data:           -9.979577
Status:         Passed
Module Time:    0.029998
Set AOut2 0.0V: Done
Module Time:    0.001884
Set AOut3 0.0V: Done
Module Time:    0.001891
Test Differential Inputs 8-14 @ 0.0V: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
  Low:          -0.00153
  High:         0.00153
Units:          volt
Comparison Type: GELE (>= <=)
Data:           -0.000287
Status:         Passed
Measurement[1] (Measurement 1):
Limits:
  Low:          -0.00153
  High:         0.00153
Units:          volt
Comparison Type: GELE (>= <=)
Data:           -0.000209
Status:         Passed
Measurement[2] (Measurement 2):
Limits:

```

```

    Low: -0.00153
    High: 0.00153
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -0.000197
    Status: Passed
Measurement[3] (Measurement 3):
    Limits:
        Low: -0.00153
        High: 0.00153
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -0.000158
    Status: Passed
Measurement[4] (Measurement 4):
    Limits:
        Low: -0.00153
        High: 0.00153
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -0.000197
    Status: Passed
Measurement[5] (Measurement 5):
    Limits:
        Low: -0.00153
        High: 0.00153
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -0.000235
    Status: Passed
Measurement[6] (Measurement 6):
    Limits:
        Low: -0.00153
        High: 0.00153
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -0.000235
    Status: Passed
Module Time: 0.029572
Set AOut2 9.98V: Done
Module Time: 0.00167
Test Differential Inputs 8-14 @ 9.98V: Passed
Measurement:
Measurement[0] (Measurement 0):
    Limits:
        Low: 9.974772
        High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.979592
    Status: Passed
Measurement[1] (Measurement 1):
    Limits:
        Low: 9.974772
        High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.979605
    Status: Passed
Measurement[2] (Measurement 2):
    Limits:
        Low: 9.974772
        High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.979631
    Status: Passed
Measurement[3] (Measurement 3):
    Limits:

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```

    Low: 9.974772
    High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.979644
    Status: Passed
Measurement[4] (Measurement 4):
    Limits:
        Low: 9.974772
        High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.97967
    Status: Passed
Measurement[5] (Measurement 5):
    Limits:
        Low: 9.974772
        High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.979683
    Status: Passed
Measurement[6] (Measurement 6):
    Limits:
        Low: 9.974772
        High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.979696
    Status: Passed
Module Time: 0.030078
Set AOut2 0.0V: Done
Module Time: 0.001525
Set AOut3 9.98V: Done
Module Time: 0.001531
Test Differential Inputs 8-14 @ -9.98V: Passed
Measurement:
Measurement[0] (Measurement 6):
    Limits:
        Low: -9.982528
        High: -9.974772
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -9.9799
    Status: Passed
Measurement[1] (Measurement 1):
    Limits:
        Low: -9.982528
        High: -9.974772
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -9.979952
    Status: Passed
Measurement[2] (Measurement 2):
    Limits:
        Low: -9.982528
        High: -9.974772
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -9.979913
    Status: Passed
Measurement[3] (Measurement 3):
    Limits:
        Low: -9.982528
        High: -9.974772
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: -9.979952
    Status: Passed

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Measurement[4] (Measurement 4):
Limits:
Low: -9.982528
High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.980004
Status: Passed

Measurement[5] (Measurement 5):
Limits:
Low: -9.982528
High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979926
Status: Passed

Measurement[6] (Measurement 6):
Limits:
Low: -9.982528
High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979978
Status: Passed

Module Time: 0.029972
Clear Input Task: Done
Module Time: 0.001047
Set AOut0 0.0V: Done
Module Time: 0.00156
Set AOut1 0.0V: Done
Module Time: 0.001512
Set AOut2 0.0V: Done
Module Time: 0.00151
Set AOut3 0.0V: Done
Module Time: 0.001507

End Sequence: Differential AIO

Test NRSE Inputs: Passed
Module Time: 0.68828

Begin Sequence: NRSE AIO
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Cfg NRSE Inputs: Done
Module Time: 0.004452
Set AOut0 0.0V: Done
Module Time: 0.001557
Set AOut1 0.0V: Done
Module Time: 0.001577
Test NRSE Inputs 0-6 @ 0.0V: Passed

Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000101
Status: Passed

Measurement[1] (Measurement 1):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000166
Status: Passed

Measurement[2] (Measurement 2):
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```
Limits:
  Low:          -0.00153
  High:         0.00153
Units:          volt
Comparison Type: GELE (>= <=)
Data:          0.000101
Status:        Passed
Measurement[3] (Measurement 3):
  Limits:
    Low:          -0.00153
    High:         0.00153
  Units:          volt
  Comparison Type: GELE (>= <=)
  Data:          0.000089
  Status:        Passed
Measurement[4] (Measurement 4):
  Limits:
    Low:          -0.00153
    High:         0.00153
  Units:          volt
  Comparison Type: GELE (>= <=)
  Data:          0.000127
  Status:        Passed
Measurement[5] (Measurement 5):
  Limits:
    Low:          -0.00153
    High:         0.00153
  Units:          volt
  Comparison Type: GELE (>= <=)
  Data:          0.000127
  Status:        Passed
Measurement[6] (Measurement 6):
  Limits:
    Low:          -0.00153
    High:         0.00153
  Units:          volt
  Comparison Type: GELE (>= <=)
  Data:          0.000166
  Status:        Passed
Module Time:    0.031081
Test NRSE Inputs 8-14 @ 0.0V: Passed
Measurement:
  Measurement[0] (Measurement 0):
    Limits:
      Low:          -0.00153
      High:         0.00153
    Units:          volt
    Comparison Type: GELE (>= <=)
    Data:          0.000037
    Status:        Passed
  Measurement[1] (Measurement 1):
    Limits:
      Low:          -0.00153
      High:         0.00153
    Units:          volt
    Comparison Type: GELE (>= <=)
    Data:          -0.000041
    Status:        Passed
  Measurement[2] (Measurement 2):
    Limits:
      Low:          -0.00153
      High:         0.00153
    Units:          volt
    Comparison Type: GELE (>= <=)
    Data:          -0.000015
    Status:        Passed
  Measurement[3] (Measurement 3):
    Limits:
      Low:          -0.00153
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      High: 0.00153
      Units: volt
      Comparison Type: GELE (>= <=)
      Data: -0.000067
      Status: Passed
Measurement[4] (Measurement 4):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: 0.000011
  Status: Passed
Measurement[5] (Measurement 5):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: 0.000011
  Status: Passed
Measurement[6] (Measurement 6):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: 0.000063
  Status: Passed
Module Time: 0.030278
Set AOut0 9.98V: Done
Module Time: 0.001596
Test NRSE Inputs 0-6 @ 9.98V: Passed
Measurement:
  Measurement[0] (Measurement 0):
    Limits:
      Low: 9.974772
      High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.979929
    Status: Passed
  Measurement[1] (Measurement 1):
    Limits:
      Low: 9.974772
      High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.97989
    Status: Passed
  Measurement[2] (Measurement 2):
    Limits:
      Low: 9.974772
      High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.979955
    Status: Passed
  Measurement[3] (Measurement 3):
    Limits:
      Low: 9.974772
      High: 9.982528
    Units: volt
    Comparison Type: GELE (>= <=)
    Data: 9.979852
    Status: Passed
  Measurement[4] (Measurement 4):
    Limits:
      Low: 9.974772
```

High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979942
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: 9.974772
High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979955
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: 9.974772
High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979955
Status: Passed
Module Time: 0.029795
Test NRSE Inputs 8-14 @ 0.0V: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000076
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000063
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000089
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000011
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000114
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: -0.00153
High: 0.00153
Units: volt

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Comparison Type: GELE (>= <=)
Data: 0.000089
Status: Passed
Measurement[6] (Measurement 6):
Limits:
  Low: -0.00153
  High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000089
Status: Passed
Module Time: 0.029542
Set AOut0 0.0V: Done
Module Time: 0.001579
Set AOut1 9.98V: Done
Module Time: 0.001571
Test NRSE Inputs 0-6 @ -9.98V: Passed
Measurement:
Measurement[0] (Measurement 6):
Limits:
  Low: -9.982528
  High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979525
Status: Passed
Measurement[1] (Measurement 1):
Limits:
  Low: -9.982528
  High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979564
Status: Passed
Measurement[2] (Measurement 2):
Limits:
  Low: -9.982528
  High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979615
Status: Passed
Measurement[3] (Measurement 3):
Limits:
  Low: -9.982528
  High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.97959
Status: Passed
Measurement[4] (Measurement 4):
Limits:
  Low: -9.982528
  High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979551
Status: Passed
Measurement[5] (Measurement 5):
Limits:
  Low: -9.982528
  High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979551
Status: Passed
Measurement[6] (Measurement 6):
Limits:
  Low: -9.982528
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High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979706
Status: Passed
Module Time: 0.030235
Test NRSE Inputs 8-14 @ 0.0V: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000067
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000011
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000002
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000011
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000028
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000089
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000749
Status: Passed
Module Time: 0.030304
Set AOut1 0.0V: Done
Module Time: 0.001554
Set AOut2 0.0V: Done
Module Time: 0.001582

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Set AOut3 0.0V: Done
Module Time: 0.001561
Test NRSE Inputs 16-22 @ 0.0V: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000132
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000145
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000171
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000093
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000132
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000093
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: -0.000222
Status: Passed
Module Time: 0.030151
Test NRSE Inputs 24-30 @ 0.0V: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)

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Data: 0.00005
Status: Passed
Measurement[1] (Measurement 1):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: 0.000024
  Status: Passed
Measurement[2] (Measurement 2):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: -0.000002
  Status: Passed
Measurement[3] (Measurement 3):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: -0.000015
  Status: Passed
Measurement[4] (Measurement 4):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: 0.000063
  Status: Passed
Measurement[5] (Measurement 5):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: 0.000063
  Status: Passed
Measurement[6] (Measurement 6):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: 0.000037
  Status: Passed
Module Time: 0.030255
Set AOut2 9.98V: Done
Module Time: 0.001517
Test NRSE Inputs 16-22 @ 9.98V: Passed
Measurement:
Measurement[0] (Measurement 0):
  Limits:
    Low: 9.974772
    High: 9.982528
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: 9.979709
  Status: Passed
Measurement[1] (Measurement 1):
  Limits:
    Low: 9.974772
    High: 9.982528
  Units: volt
  Comparison Type: GELE (>= <=)
```

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Data: 9.979644
Status: Passed
Measurement[2] (Measurement 2):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.97967
Status: Passed
Measurement[3] (Measurement 3):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979657
Status: Passed
Measurement[4] (Measurement 4):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979644
Status: Passed
Measurement[5] (Measurement 5):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979683
Status: Passed
Measurement[6] (Measurement 6):
Limits:
  Low: 9.974772
  High: 9.982528
Units: volt
Comparison Type: GELE (>= <=)
Data: 9.979761
Status: Passed
Module Time: 0.02956
Test NRSE Inputs 24-30 @ 0.0V: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
  Low: -0.00153
  High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000089
Status: Passed
Measurement[1] (Measurement 1):
Limits:
  Low: -0.00153
  High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000011
Status: Passed
Measurement[2] (Measurement 2):
Limits:
  Low: -0.00153
  High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000076
Status: Passed
```

```

Measurement[3] (Measurement 3):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: 0.000076
  Status: Passed
Measurement[4] (Measurement 4):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: 0.000089
  Status: Passed
Measurement[5] (Measurement 5):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: -0.000028
  Status: Passed
Measurement[6] (Measurement 6):
  Limits:
    Low: -0.00153
    High: 0.00153
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: -0.000002
  Status: Passed
Module Time: 0.030216
Set AOut2 0.0V: Done
Module Time: 0.001555
Set AOut3 9.98V: Done
Module Time: 0.001717
Test NRSE Inputs 16-22 @ -9.98V: Passed
Measurement:
Measurement[0] (Measurement 6):
  Limits:
    Low: -9.982528
    High: -9.974772
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: -9.979888
  Status: Passed
Measurement[1] (Measurement 1):
  Limits:
    Low: -9.982528
    High: -9.974772
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: -9.979888
  Status: Passed
Measurement[2] (Measurement 2):
  Limits:
    Low: -9.982528
    High: -9.974772
  Units: volt
  Comparison Type: GELE (>= <=)
  Data: -9.9799
  Status: Passed
Measurement[3] (Measurement 3):
  Limits:
    Low: -9.982528
    High: -9.974772
  Units: volt
  Comparison Type: GELE (>= <=)

```

Data: -9.979926
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: -9.982528
High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979888
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: -9.982528
High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979849
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: -9.982528
High: -9.974772
Units: volt
Comparison Type: GELE (>= <=)
Data: -9.979991
Status: Passed
Module Time: 0.02937
Test NRSE Inputs 24-30@ 0.0V: Passed

Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000011
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000024
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000037
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000127
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: -0.00153
High: 0.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.000127
Status: Passed

Measurement[5] (Measurement 5):

Limits:
 Low: -0.00153
 High: 0.00153
 Units: volt
 Comparison Type: GELE (>= <=)
 Data: 0.000063
 Status: Passed

Measurement[6] (Measurement 6):

Limits:
 Low: -0.00153
 High: 0.00153
 Units: volt
 Comparison Type: GELE (>= <=)
 Data: 0.000166
 Status: Passed

Module Time: 0.030166
 Set AOut3 0.0V: Done
 Module Time: 0.001584
 Clear Input Task: Done
 Module Time: 0.00117
 Set AOut0 0.0V: Done
 Module Time: 0.001573
 Set AOut1 0.0V: Done
 Module Time: 0.001584
 Set AOut2 0.0V: Done
 Module Time: 0.001551
 Set AOut3 0.0V: Done
 Module Time: 0.001578

End Sequence: NRSE AIO

Test RSE Inputs: Passed
 Module Time: 0.236382

Begin Sequence: RSE AIO

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Cfg RSE Inputs: Done
 Module Time: 0.002446
 Set AOut0 0.0V: Done
 Module Time: 0.001587
 Set AOut1 1.0V: Done
 Module Time: 0.001524
 Set AOut2 2.0V: Done
 Module Time: 0.001547
 Set AOut3 3.0V: Done
 Module Time: 0.001546
 Test RSE Inputs 0-6 : Passed

Measurement:

Measurement[0] (Measurement 0):

Limits:
 Low: 0.99847
 High: 1.00153
 Units: volt
 Comparison Type: GELE (>= <=)
 Data: 0.999828
 Status: Passed

Measurement[1] (Measurement 1):

Limits:
 Low: 0.99847
 High: 1.00153
 Units: volt
 Comparison Type: GELE (>= <=)
 Data: 0.999802
 Status: Passed

Measurement[2] (Measurement 2):

Limits:
 Low: 0.99847

High: 1.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.999802
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: 0.99847
High: 1.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.999841
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: 0.99847
High: 1.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.999841
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: 0.99847
High: 1.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.999763
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: 0.99847
High: 1.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 0.999893
Status: Passed
Module Time: 0.030745
Test RSE Inputs 8-14: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: 1.99847
High: 2.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 1.999867
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: 1.99847
High: 2.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 1.999893
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: 1.99847
High: 2.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 1.999854
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: 1.99847
High: 2.00153
Units: volt

Comparison Type: GELE (>= <=)
Data: 1.999918
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: 1.99847
High: 2.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 1.999841
Status: Passed
Measurement[5] (Measurement 5):
Limits:
Low: 1.99847
High: 2.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 1.99988
Status: Passed
Measurement[6] (Measurement 6):
Limits:
Low: 1.99847
High: 2.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 1.999944
Status: Passed
Module Time: 0.029737
Test RSE Inputs 16-22 : Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
Low: 2.99847
High: 3.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 3.000166
Status: Passed
Measurement[1] (Measurement 1):
Limits:
Low: 2.99847
High: 3.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 3.000114
Status: Passed
Measurement[2] (Measurement 2):
Limits:
Low: 2.99847
High: 3.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 3.000024
Status: Passed
Measurement[3] (Measurement 3):
Limits:
Low: 2.99847
High: 3.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 3.000101
Status: Passed
Measurement[4] (Measurement 4):
Limits:
Low: 2.99847
High: 3.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 3.000088

```
Status: Passed
Measurement[5] (Measurement 5):
Limits:
  Low: 2.99847
  High: 3.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 3.000114
Status: Passed
Measurement[6] (Measurement 6):
Limits:
  Low: 2.99847
  High: 3.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 3.000063
Status: Passed
Module Time: 0.029799
Test RSE Inputs 24-30: Passed
Measurement:
Measurement[0] (Measurement 0):
Limits:
  Low: 3.99847
  High: 4.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 4.000067
Status: Passed
Measurement[1] (Measurement 1):
Limits:
  Low: 3.99847
  High: 4.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 4.000041
Status: Passed
Measurement[2] (Measurement 2):
Limits:
  Low: 3.99847
  High: 4.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 4.000131
Status: Passed
Measurement[3] (Measurement 3):
Limits:
  Low: 3.99847
  High: 4.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 4.000106
Status: Passed
Measurement[4] (Measurement 4):
Limits:
  Low: 3.99847
  High: 4.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 4.000008
Status: Passed
Measurement[5] (Measurement 5):
Limits:
  Low: 3.99847
  High: 4.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 4.000119
Status: Passed
Measurement[6] (Measurement 6):
```

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Limits:
 Low: 3.99847
 High: 4.00153
Units: volt
Comparison Type: GELE (>= <=)
Data: 4.000054
Status: Passed
Module Time: 0.029669
Clear Input Task: Done
Module Time: 0.001105

End Sequence: RSE AIO

Clear AOut0 Task: Done
Module Time: 0.00076
Clear AOut1 Task: Done
Module Time: 0.000722
Clear AOut2 Task: Done
Module Time: 0.000736
Clear AOut3 Task: Done
Module Time: 0.000754

End Sequence: Analog I/O

Test DAQ2 DIO: Passed
Module Time: 2.024538

Begin Sequence: DAQ DIO
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Cfg Input Bits: Done
Module Time: 0.008008
Cfg Output Bit: Done
Module Time: 0.001136
Set Output On: Done
Module Time: 0.001107
Read Input: Passed
Measurement: 2147483647
Limits:
 Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001029
Set Output Off: Done
Module Time: 0.000706
Read Input: Passed
Measurement: 0
Limits:
 Low: 0
Comparison Type: EQ (==)
Module Time: 0.000619
Cfg Input Bits: Done
Module Time: 0.00174
Cfg Output Bit: Done
Module Time: 0.00108
Set Output On: Done
Module Time: 0.001063
Read Input: Passed
Measurement: 2147483647
Limits:
 Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.0011
Set Output Off: Done
Module Time: 0.000754
Read Input: Passed
Measurement: 0
Limits:
 Low: 0
Comparison Type: EQ (==)

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```
Module Time: 0.000658
Cfg Input Bits: Done
Module Time: 0.001711
Cfg Output Bit: Done
Module Time: 0.0011
Set Output On: Done
Module Time: 0.001093
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001064
Set Output Off: Done
Module Time: 0.000753
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000647
Cfg Input Bits: Done
Module Time: 0.001709
Cfg Output Bit: Done
Module Time: 0.001064
Set Output On: Done
Module Time: 0.001064
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001073
Set Output Off: Done
Module Time: 0.000759
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000689
Cfg Input Bits: Done
Module Time: 0.001731
Cfg Output Bit: Done
Module Time: 0.001066
Set Output On: Done
Module Time: 0.001072
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001095
Set Output Off: Done
Module Time: 0.000758
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000675
Cfg Input Bits: Done
Module Time: 0.001716
Cfg Output Bit: Done
Module Time: 0.001092
Set Output On: Done
Module Time: 0.001107
Read Input: Passed
Measurement: 2147483647
```

```

Limits:
  Low: 2147483647
  Comparison Type: EQ (==)
  Module Time: 0.001062
Set Output Off: Done
  Module Time: 0.000773
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.000653
Cfg Input Bits: Done
  Module Time: 0.001743
Cfg Output Bit: Done
  Module Time: 0.001077
Set Output On: Done
  Module Time: 0.001069
Read Input: Passed
  Measurement: 2147483647
  Limits:
    Low: 2147483647
    Comparison Type: EQ (==)
    Module Time: 0.001064
Set Output Off: Done
  Module Time: 0.000758
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.000704
Cfg Input Bits: Done
  Module Time: 0.00174
Cfg Output Bit: Done
  Module Time: 0.001054
Set Output On: Done
  Module Time: 0.001023
Read Input: Passed
  Measurement: 2147483647
  Limits:
    Low: 2147483647
    Comparison Type: EQ (==)
    Module Time: 0.001071
Set Output Off: Done
  Module Time: 0.000762
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.000674
Cfg Input Bits: Done
  Module Time: 0.001699
Cfg Output Bit: Done
  Module Time: 0.001071
Set Output On: Done
  Module Time: 0.001085
Read Input: Passed
  Measurement: 2147483647
  Limits:
    Low: 2147483647
    Comparison Type: EQ (==)
    Module Time: 0.001087
Set Output Off: Done
  Module Time: 0.000757
Read Input: Passed
  Measurement: 0
  Limits:

```

```

    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.000635
Cfg Input Bits: Done
    Module Time: 0.001692
Cfg Output Bit: Done
    Module Time: 0.001084
Set Output On: Done
    Module Time: 0.001079
Read Input: Passed
    Measurement: 2147483647
    Limits:
        Low: 2147483647
        Comparison Type: EQ (==)
        Module Time: 0.001071
Set Output Off: Done
    Module Time: 0.000732
Read Input: Passed
    Measurement: 0
    Limits:
        Low: 0
        Comparison Type: EQ (==)
        Module Time: 0.000684
Cfg Input Bits: Done
    Module Time: 0.001739
Cfg Output Bit: Done
    Module Time: 0.001066
Set Output On: Done
    Module Time: 0.001057
Read Input: Passed
    Measurement: 2147483647
    Limits:
        Low: 2147483647
        Comparison Type: EQ (==)
        Module Time: 0.001105
Set Output Off: Done
    Module Time: 0.00076
Read Input: Passed
    Measurement: 0
    Limits:
        Low: 0
        Comparison Type: EQ (==)
        Module Time: 0.000672
Cfg Input Bits: Done
    Module Time: 0.001713
Cfg Output Bit: Done
    Module Time: 0.0011
Set Output On: Done
    Module Time: 0.001081
Read Input: Passed
    Measurement: 2147483647
    Limits:
        Low: 2147483647
        Comparison Type: EQ (==)
        Module Time: 0.001093
Set Output Off: Done
    Module Time: 0.000745
Read Input: Passed
    Measurement: 0
    Limits:
        Low: 0
        Comparison Type: EQ (==)
        Module Time: 0.000647
Cfg Input Bits: Done
    Module Time: 0.001743
Cfg Output Bit: Done
    Module Time: 0.001073
Set Output On: Done
    Module Time: 0.001048

```

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```
Read Input: Passed
Measurement: 2147483647
Limits:
  Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001068
Set Output Off: Done
Module Time: 0.000743
Read Input: Passed
Measurement: 0
Limits:
  Low: 0
Comparison Type: EQ (==)
Module Time: 0.000711
Cfg Input Bits: Done
Module Time: 0.001734
Cfg Output Bit: Done
Module Time: 0.001064
Set Output On: Done
Module Time: 0.001075
Read Input: Passed
Measurement: 2147483647
Limits:
  Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001093
Set Output Off: Done
Module Time: 0.000754
Read Input: Passed
Measurement: 0
Limits:
  Low: 0
Comparison Type: EQ (==)
Module Time: 0.000677
Cfg Input Bits: Done
Module Time: 0.001698
Cfg Output Bit: Done
Module Time: 0.0011
Set Output On: Done
Module Time: 0.001058
Read Input: Passed
Measurement: 2147483647
Limits:
  Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.00109
Set Output Off: Done
Module Time: 0.000756
Read Input: Passed
Measurement: 0
Limits:
  Low: 0
Comparison Type: EQ (==)
Module Time: 0.000633
Cfg Input Bits: Done
Module Time: 0.001699
Cfg Output Bit: Done
Module Time: 0.001067
Set Output On: Done
Module Time: 0.00106
Read Input: Passed
Measurement: 2147483647
Limits:
  Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001054
Set Output Off: Done
Module Time: 0.000718
Read Input: Passed
```

```

Measurement: 0
Limits:
  Low: 0
  Comparison Type: EQ (==)
  Module Time: 0.00064
Cfg Input Bits: Done
  Module Time: 0.001737
Cfg Output Bit: Done
  Module Time: 0.001071
Set Output On: Done
  Module Time: 0.001066
Read Input: Passed
  Measurement: 2147483647
  Limits:
    Low: 2147483647
    Comparison Type: EQ (==)
    Module Time: 0.001089
Set Output Off: Done
  Module Time: 0.000759
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.000664
Cfg Input Bits: Done
  Module Time: 0.001725
Cfg Output Bit: Done
  Module Time: 0.001084
Set Output On: Done
  Module Time: 0.001111
Read Input: Passed
  Measurement: 2147483647
  Limits:
    Low: 2147483647
    Comparison Type: EQ (==)
    Module Time: 0.001131
Set Output Off: Done
  Module Time: 0.000746
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.000671
Cfg Input Bits: Done
  Module Time: 0.00175
Cfg Output Bit: Done
  Module Time: 0.00108
Set Output On: Done
  Module Time: 0.00108
Read Input: Passed
  Measurement: 2147483647
  Limits:
    Low: 2147483647
    Comparison Type: EQ (==)
    Module Time: 0.001094
Set Output Off: Done
  Module Time: 0.000738
Read Input: Passed
  Measurement: 0
  Limits:
    Low: 0
    Comparison Type: EQ (==)
    Module Time: 0.000692
Cfg Input Bits: Done
  Module Time: 0.001737
Cfg Output Bit: Done
  Module Time: 0.001099

```

```

Set Output On: Done
Module Time: 0.001071
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001091
Set Output off: Done
Module Time: 0.00076
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000698
Cfg Input Bits: Done
Module Time: 0.001704
Cfg Output Bit: Done
Module Time: 0.001108
Set Output On: Done
Module Time: 0.0011
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001085
Set Output Off: Done
Module Time: 0.000745
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.00066
Cfg Input Bits: Done
Module Time: 0.001768
Cfg Output Bit: Done
Module Time: 0.00109
Set Output On: Done
Module Time: 0.001073
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001065
Set Output Off: Done
Module Time: 0.000742
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000685
Cfg Input Bits: Done
Module Time: 0.001756
Cfg Output Bit: Done
Module Time: 0.001079
Set Output On: Done
Module Time: 0.001077
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.00111
Set Output off: Done

```

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Module Time: 0.000764
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000666
Cfg Input Bits: Done
Module Time: 0.001712
Cfg Output Bit: Done
Module Time: 0.001068
Set Output On: Done
Module Time: 0.001105
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.00107
Set Output Off: Done
Module Time: 0.00076
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000655
Cfg Input Bits: Done
Module Time: 0.001738
Cfg Output Bit: Done
Module Time: 0.001104
Set Output On: Done
Module Time: 0.001081
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.00107
Set Output Off: Done
Module Time: 0.000739
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000672
Cfg Input Bits: Done
Module Time: 0.001734
Cfg Output Bit: Done
Module Time: 0.001286
Set Output On: Done
Module Time: 0.001182
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001155
Set Output Off: Done
Module Time: 0.000805
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000657
Cfg Input Bits: Done
Module Time: 0.001707

```

Cfg Output Bit: Done
Module Time: 0.001074
Set Output On: Done
Module Time: 0.001105
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.00109
Set Output Off: Done
Module Time: 0.000712
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000665
Cfg Input Bits: Done
Module Time: 0.001721
Cfg Output Bit: Done
Module Time: 0.001083
Set Output On: Done
Module Time: 0.001074
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.00106
Set Output Off: Done
Module Time: 0.000732
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000685
Cfg Input Bits: Done
Module Time: 0.001725
Cfg Output Bit: Done
Module Time: 0.001086
Set Output On: Done
Module Time: 0.001066
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001087
Set Output Off: Done
Module Time: 0.000763
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000682
Cfg Input Bits: Done
Module Time: 0.001694
Cfg Output Bit: Done
Module Time: 0.001089
Set Output On: Done
Module Time: 0.001096
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)

```

TE82988 Selftest rev L_Selftest Report[QUAL_12MAR19][10 49 33 AM][3 12 2019].txt

```
Module Time: 0.001108
Set Output Off: Done
Module Time: 0.000737
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000627
Cfg Input Bits: Done
Module Time: 0.001801
Cfg Output Bit: Done
Module Time: 0.00111
Set Output On: Done
Module Time: 0.001083
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001062
Set Output Off: Done
Module Time: 0.000732
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000648
Cfg Input Bits: Done
Module Time: 0.001729
Cfg Output Bit: Done
Module Time: 0.001078
Set Output On: Done
Module Time: 0.001055
Read Input: Passed
Measurement: 2147483647
Limits:
Low: 2147483647
Comparison Type: EQ (==)
Module Time: 0.001091
Set Output Off: Done
Module Time: 0.000767
Read Input: Passed
Measurement: 0
Limits:
Low: 0
Comparison Type: EQ (==)
Module Time: 0.000668
Clear Input Task: Done
Module Time: 0.000481
Clear Output Task: Done
Module Time: 0.000547
```

End Sequence: DAQ DIO

Test DAQ2 Timer/Counter 0: Passed
Module Time: 3.300974

Begin Sequence: Timer/Counter
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

```
Turn all channels off: Done
Module Time: 0.233623
Cfg Scope: Done
Module Time: 0.35796
Cfg Trigger: Done
Module Time: 0.048926
Cfg TMR/CTR: Done
```

TE82988 Selftest rev L_Selftest Report[QUAL_12MAR19][10 49 33 AM][3 12 2019].txt

Module Time: 0.001988
Cfg Timebase Clk: Done
Module Time: 0.001203
Trigger Timer/Counter: Done
Module Time: 0.001609
Test if Scope Triggered: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.066231
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test if Scope Triggered (Loop Index: 0): Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.066231
Test Timer/Counter Output Pulse Width: Passed
Measurement: 0.0001
Limits:
Low: 0.0001
High: 0.0001
Comparison Type: GELE (>= <=)
Module Time: 0.066605
Stop tmr/ctr task: Done
Module Time: 0.000624
StopTimebase task: Done
Module Time: 0.000575
Cfg TMR/CTR: Done
Module Time: 0.00166
Cfg Timebase Clk: Done
Module Time: 0.001106
Set Horizontal Scale: Done
Module Time: 0.01608
Trigger Timer/Counter: Done
Module Time: 0.001432
Test if Scope Triggered: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.044463
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test if Scope Triggered (Loop Index: 0): Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.044463
Test Timer/Counter Output Pulse Width: Passed
Measurement: 0.000001
Limits:
Low: 0.000001
High: 0.000001
Comparison Type: GELE (>= <=)
Module Time: 0.104778
Clear tmr/ctr task: Done
Module Time: 0.000957
Clear Timebase task: Done
Module Time: 0.000797

End Sequence: Timer/Counter

Test DAQ2_Timer/Counter 1: Passed
Module Time: 3.182636

Begin Sequence: Timer/Counter
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Turn all channels off: Done
Module Time: 0.2314
Cfg Scope: Done
Module Time: 0.24979
Cfg Trigger: Done
Module Time: 0.030123
Cfg TMR/CTR: Done
Module Time: 0.002455
Cfg Timebase Clk: Done
Module Time: 0.001079
Trigger Timer/Counter: Done
Module Time: 0.001464
Test if Scope Triggered: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.060455
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test if Scope Triggered (Loop Index: 0): Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.060455
Test Timer/Counter Output Pulse Width: Passed
Measurement: 0.0001
Limits:
Low: 0.0001
High: 0.0001
Comparison Type: GELE (>= <=)
Module Time: 0.069635
Stop tmr/ctr task: Done
Module Time: 0.000647
StopTimebase task: Done
Module Time: 0.00063
Cfg TMR/CTR: Done
Module Time: 0.001686
Cfg Timebase Clk: Done
Module Time: 0.001086
Set Horizontal Scale: Done
Module Time: 0.01719
Trigger Timer/Counter: Done
Module Time: 0.001485
Test if Scope Triggered: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.054449
Number of Loops: 1
Number of Passes: 1
Number of Failures: 0
Final Loop Index: 1
Test if Scope Triggered (Loop Index: 0): Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)

```

TE82988 Selftest rev L_Selftest Report[QUAL_12MAR19][10 49 33 AM][3 12 2019].txt
  Module Time: 0.054449
Test Timer/Counter Ouput Pulse width: Passed
  Measurement: 0.000001
  Limits:
    Low: 0.000001
    High: 0.000001
  Comparison Type: GELE (>= <=)
  Module Time: 0.102652
Clear tmr/ctr task: Done
  Module Time: 0.000912
Clear Timebase task: Done
  Module Time: 0.000759

End Sequence: Timer/Counter

Test Comm8 & Ethernet Port 1: Passed
  Module Time: 19.457093

Begin Sequence: COMM_Ethernet
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Cfg Comm Port: Done
  Module Time: 0.039904
Wake CPU Serial Port: Done
  Module Time: 2.437964
Clear Comm: Done
  Module Time: 0.552873

CONSOLE:>
Init RTS/DTR: Done
  Module Time: 0.001032
Get IP Address: Passed
  String: 169.254.4.5
  Limits:
    String: 169.254.4.5
  Comparison Type: Ignore Case
  Module Time: 1.052583
Ping CPU: Passed
  Measurement: 10
  Limits:
    Low: 10
  Comparison Type: EQ (==)
  Module Time: 9.028374
Read CTS: Passed
  Measurement: 1
  Limits:
    Low: 1
  Comparison Type: EQ (==)
  Module Time: 0.00106
Read DSR: Passed
  Measurement: 1
  Limits:
    Low: 1
  Comparison Type: EQ (==)
  Module Time: 0.00104
Read RI: Passed
  Measurement: 1
  Limits:
    Low: 1
  Comparison Type: EQ (==)
  Module Time: 0.001056
Read DCD: Passed
  Measurement: 1
  Limits:
    Low: 1
  Comparison Type: EQ (==)
  Module Time: 0.001067
Clear RTS: Done
  Module Time: 0.001094

```

```

Wait: Done
      Module Time: 2.00323
Read  CTS: Passed
      Measurement: 0
      Limits:
        Low: 0
        Comparison Type: EQ (==)
      Module Time: 0.001061
Read  DSR: Passed
      Measurement: 0
      Limits:
        Low: 0
        Comparison Type: EQ (==)
      Module Time: 0.001036
Read  RI: Passed
      Measurement: 1
      Limits:
        Low: 1
        Comparison Type: EQ (==)
      Module Time: 0.001067
Read  DCD: Passed
      Measurement: 1
      Limits:
        Low: 1
        Comparison Type: EQ (==)
      Module Time: 0.001052
Clear DTR/Set RTS: Done
      Module Time: 0.001012
Wait: Done
      Module Time: 2.00293
Read  CTS: Passed
      Measurement: 1
      Limits:
        Low: 1
        Comparison Type: EQ (==)
      Module Time: 0.00122
Read  DSR: Passed
      Measurement: 1
      Limits:
        Low: 1
        Comparison Type: EQ (==)
      Module Time: 0.00104
Read  RI: Passed
      Measurement: 0
      Limits:
        Low: 0
        Comparison Type: EQ (==)
      Module Time: 0.001162
Read  DCD: Passed
      Measurement: 0
      Limits:
        Low: 0
        Comparison Type: EQ (==)
      Module Time: 0.001055
Set   DTR: Done
      Module Time: 0.001001
Wait: Done
      Module Time: 2.002491
Read  CTS: Passed
      Measurement: 1
      Limits:
        Low: 1
        Comparison Type: EQ (==)
      Module Time: 0.00106
Read  DSR: Passed
      Measurement: 1
      Limits:
        Low: 1
        Comparison Type: EQ (==)

```

TE82988 Selftest rev L_Selftest Report[QUAL_12MAR19][10 49 33 AM][3 12 2019].txt

Module Time: 0.001073
Read RI: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.001066
Read DCD: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.001051
Reset Modem Lines: Done
Module Time: 0.00106

End Sequence: COMM_Ethernet

Test Comm7 & Ethernet Port 2: Passed
Module Time: 19.432131

Begin Sequence: COMM_Ethernet
(C:\GTS Selftest\Rev L\TE82988 selftest rev L.seq)

Cfg Comm Port: Done
Module Time: 0.035627
Wake CPU Serial Port: Done
Module Time: 2.439468
Clear Comm: Done
Module Time: 0.551767

CONSOLE:>

Init RTS/DTR: Done
Module Time: 0.00046
Get IP Address: Passed
String: 169.254.4.6
Limits:
String: 169.254.4.6
Comparison Type: Ignore Case
Module Time: 1.051648
Ping CPU: Passed
Measurement: 10
Limits:
Low: 10
Comparison Type: EQ (==)
Module Time: 9.023873
Read CTS: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.000484
Read DSR: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.000469
Read RI: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.000454
Read DCD: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)

```

TE82988 Selftest rev L_Selftest Report[QUAL_12MAR19][10 49 33 AM][3 12 2019].txt
  Module Time: 0.000464
Clear  RTS: Done
  Module Time: 0.000462
Wait: Done
  Module Time: 2.002509
Read  CTS: Passed
  Measurement: 0
  Limits:
    Low: 0
  Comparison Type: EQ (==)
  Module Time: 0.00049
Read  DSR: Passed
  Measurement: 0
  Limits:
    Low: 0
  Comparison Type: EQ (==)
  Module Time: 0.00047
Read  RI: Passed
  Measurement: 1
  Limits:
    Low: 1
  Comparison Type: EQ (==)
  Module Time: 0.000491
Read  DCD: Passed
  Measurement: 1
  Limits:
    Low: 1
  Comparison Type: EQ (==)
  Module Time: 0.000452
Clear  DTR/Set RTS: Done
  Module Time: 0.000469
Wait: Done
  Module Time: 2.001696
Read  CTS: Passed
  Measurement: 1
  Limits:
    Low: 1
  Comparison Type: EQ (==)
  Module Time: 0.000489
Read  DSR: Passed
  Measurement: 1
  Limits:
    Low: 1
  Comparison Type: EQ (==)
  Module Time: 0.000483
Read  RI: Passed
  Measurement: 0
  Limits:
    Low: 0
  Comparison Type: EQ (==)
  Module Time: 0.00045
Read  DCD: Passed
  Measurement: 0
  Limits:
    Low: 0
  Comparison Type: EQ (==)
  Module Time: 0.000443
Set   DTR: Done
  Module Time: 0.00046
Wait: Done
  Module Time: 2.002382
Read  CTS: Passed
  Measurement: 1
  Limits:
    Low: 1
  Comparison Type: EQ (==)
  Module Time: 0.000501
Read  DSR: Passed
  Measurement: 1

```

TE82988 Selftest rev L_Selftest Report[QUAL_12MAR19][10 49 33 AM][3 12 2019].txt

```
Limits:
  Low: 1
  Comparison Type: EQ (==)
  Module Time: 0.000484
Read RI: Passed
  Measurement: 1
  Limits:
    Low: 1
    Comparison Type: EQ (==)
    Module Time: 0.00049
Read DCD: Passed
  Measurement: 1
  Limits:
    Low: 1
    Comparison Type: EQ (==)
    Module Time: 0.000454
Reset Modem Lines: Done
  Module Time: 0.000414
```

End Sequence: COMM_Ethernet

Test Comm6 & Ethernet Port 3: Passed
Module Time: 19.436097

Begin Sequence: COMM_Ethernet
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

```
Cfg Comm Port: Done
  Module Time: 0.035379
Wake CPU Serial Port: Done
  Module Time: 2.439896
Clear Comm: Done
  Module Time: 0.551948
```

```
CONSOLE:>
Init RTS/DTR: Done
  Module Time: 0.000479
Get IP Address: Passed
  String: 169.254.4.7
  Limits:
    String: 169.254.4.7
    Comparison Type: Ignore Case
    Module Time: 1.051881
Ping CPU: Passed
  Measurement: 10
  Limits:
    Low: 10
    Comparison Type: EQ (==)
    Module Time: 9.023786
Read CTS: Passed
  Measurement: 1
  Limits:
    Low: 1
    Comparison Type: EQ (==)
    Module Time: 0.000453
Read DSR: Passed
  Measurement: 1
  Limits:
    Low: 1
    Comparison Type: EQ (==)
    Module Time: 0.000477
Read RI: Passed
  Measurement: 1
  Limits:
    Low: 1
    Comparison Type: EQ (==)
    Module Time: 0.000468
Read DCD: Passed
  Measurement: 1
```

```

Limits:
  Low: 1
Comparison Type: EQ (==)
Module Time: 0.000478
Clear RTS: Done
Module Time: 0.000462
Wait: Done
Module Time: 2.002529
Read CTS: Passed
Measurement: 0
Limits:
  Low: 0
Comparison Type: EQ (==)
Module Time: 0.000492
Read DSR: Passed
Measurement: 0
Limits:
  Low: 0
Comparison Type: EQ (==)
Module Time: 0.00048
Read RI: Passed
Measurement: 1
Limits:
  Low: 1
Comparison Type: EQ (==)
Module Time: 0.000473
Read DCD: Passed
Measurement: 1
Limits:
  Low: 1
Comparison Type: EQ (==)
Module Time: 0.000493
Clear DTR/Set RTS: Done
Module Time: 0.000484
Wait: Done
Module Time: 2.002479
Read CTS: Passed
Measurement: 1
Limits:
  Low: 1
Comparison Type: EQ (==)
Module Time: 0.000469
Read DSR: Passed
Measurement: 1
Limits:
  Low: 1
Comparison Type: EQ (==)
Module Time: 0.000461
Read RI: Passed
Measurement: 0
Limits:
  Low: 0
Comparison Type: EQ (==)
Module Time: 0.000471
Read DCD: Passed
Measurement: 0
Limits:
  Low: 0
Comparison Type: EQ (==)
Module Time: 0.000497
Set DTR: Done
Module Time: 0.00048
Wait: Done
Module Time: 2.002201
Read CTS: Passed
Measurement: 1
Limits:
  Low: 1
Comparison Type: EQ (==)

```

TE82988 Selftest rev L_Selftest Report[QUAL_12MAR19][10 49 33 AM][3 12 2019].txt

Module Time: 0.000495
Read DSR: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.000463
Read RI: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.000464
Read DCD: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.000437
Reset Modem Lines: Done
Module Time: 0.000425

End Sequence: COMM_Ethernet

Test Comm5 & Ethernet Port 4: Passed
Module Time: 19.446458

Begin Sequence: COMM_Ethernet
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Cfg Comm Port: Done
Module Time: 0.03544
Wake CPU Serial Port: Done
Module Time: 2.43799
Clear Comm: Done
Module Time: 0.551472

CONSOLE:>
Init RTS/DTR: Done
Module Time: 0.000436
Get IP Address: Passed
String: 169.254.4.8
Limits:
String: 169.254.4.8
Comparison Type: Ignore Case
Module Time: 1.051675
Ping CPU: Passed
Measurement: 10
Limits:
Low: 10
Comparison Type: EQ (==)
Module Time: 9.025514
Read CTS: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.000503
Read DSR: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)
Module Time: 0.000505
Read RI: Passed
Measurement: 1
Limits:
Low: 1
Comparison Type: EQ (==)

```

TE82988 Selftest rev L_Selftest Report[QUAL_12MAR19][10 49 33 AM][3 12 2019].txt
  Read  Module Time: 0.000469
        DCD: Passed
        Measurement: 1
        Limits:
          Low: 1
          Comparison Type: EQ (==)
          Module Time: 0.000488
  Clear  RTS: Done
        Module Time: 0.000422
  Wait:  Done
        Module Time: 2.001818
  Read  CTS: Passed
        Measurement: 0
        Limits:
          Low: 0
          Comparison Type: EQ (==)
          Module Time: 0.000454
  Read  DSR: Passed
        Measurement: 0
        Limits:
          Low: 0
          Comparison Type: EQ (==)
          Module Time: 0.000454
  Read  RI: Passed
        Measurement: 1
        Limits:
          Low: 1
          Comparison Type: EQ (==)
          Module Time: 0.000451
  Read  DCD: Passed
        Measurement: 1
        Limits:
          Low: 1
          Comparison Type: EQ (==)
          Module Time: 0.000463
  Clear  DTR/Set RTS: Done
        Module Time: 0.000473
  Wait:  Done
        Module Time: 2.001788
  Read  CTS: Passed
        Measurement: 1
        Limits:
          Low: 1
          Comparison Type: EQ (==)
          Module Time: 0.000482
  Read  DSR: Passed
        Measurement: 1
        Limits:
          Low: 1
          Comparison Type: EQ (==)
          Module Time: 0.000546
  Read  RI: Passed
        Measurement: 0
        Limits:
          Low: 0
          Comparison Type: EQ (==)
          Module Time: 0.000473
  Read  DCD: Passed
        Measurement: 0
        Limits:
          Low: 0
          Comparison Type: EQ (==)
          Module Time: 0.000446
  Set   DTR: Done
        Module Time: 0.000491
  Wait:  Done
        Module Time: 2.002097
  Read  CTS: Passed
        Measurement: 1

```

TE82988 Selftest rev L_Selftest Report[QUAL_12MAR19][10 49 33 AM][3 12 2019].txt

```
Limits:
  Low: 1
  Comparison Type: EQ (==)
  Module Time: 0.000484
Read DSR: Passed
  Measurement: 1
  Limits:
    Low: 1
    Comparison Type: EQ (==)
    Module Time: 0.000503
Read RI: Passed
  Measurement: 1
  Limits:
    Low: 1
    Comparison Type: EQ (==)
    Module Time: 0.000446
Read DCD: Passed
  Measurement: 1
  Limits:
    Low: 1
    Comparison Type: EQ (==)
    Module Time: 0.000477
Reset Modem Lines: Done
  Module Time: 0.000459
```

End Sequence: COMM_Ethernet

```
Test LPT Port: Passed
  Module Time: 0.276441
```

Begin Sequence: LPT Port
(C:\GTS Selftest\Rev L\TE82988 selftest rev L.seq)

```
Cfg Dig Input Port: Done
  Module Time: 0.002825
Set LPT Port Data: Done
  Module Time: 0.001729
Read LPT Port: Passed
  Measurement: 1
  Limits:
    Low: 1
    Comparison Type: EQ (==)
    Module Time: 0.001816
Shift Data: Done
Set LPT Port Data: Done
  Module Time: 0.000447
Read LPT Port: Passed
  Measurement: 2
  Limits:
    Low: 2
    Comparison Type: EQ (==)
    Module Time: 0.00069
Shift Data: Done
Set LPT Port Data: Done
  Module Time: 0.000416
Read LPT Port: Passed
  Measurement: 4
  Limits:
    Low: 4
    Comparison Type: EQ (==)
    Module Time: 0.000714
Shift Data: Done
Set LPT Port Data: Done
  Module Time: 0.000432
Read LPT Port: Passed
  Measurement: 8
  Limits:
    Low: 8
    Comparison Type: EQ (==)
```

TE82988 Selftest rev L_Selftest Report[QUAL_12MAR19][10 49 33 AM][3 12 2019].txt

Module Time: 0.000731
Shift Data: Done
Set LPT Port Data: Done
Module Time: 0.000431
Read LPT Port: Passed
Measurement: 16
Limits:
Low: 16
Comparison Type: EQ (==)
Module Time: 0.000684
Shift Data: Done
Set LPT Port Data: Done
Module Time: 0.000419
Read LPT Port: Passed
Measurement: 32
Limits:
Low: 32
Comparison Type: EQ (==)
Module Time: 0.00071
Shift Data: Done
Set LPT Port Data: Done
Module Time: 0.000427
Read LPT Port: Passed
Measurement: 64
Limits:
Low: 64
Comparison Type: EQ (==)
Module Time: 0.000739
Shift Data: Done
Set LPT Port Data: Done
Module Time: 0.000429
Read LPT Port: Passed
Measurement: 128
Limits:
Low: 128
Comparison Type: EQ (==)
Module Time: 0.000694
Shift Data: Done

End Sequence: LPT Port

Test USB Port: Passed
Module Time: 0.231345

Begin Sequence: USB
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Create File: Passed
Module Time: 0.131946
Test File Created: Passed
Module Time: 0.002123
Readback File: Passed
Module Time: 0.034041
Delete File: Passed
Module Time: 0.011002

End Sequence: USB

Test Vacuum: Passed
Module Time: 2.860587

Begin Sequence: Vacuum
(C:\GTS Selftest\Rev L\TE82988 Selftest rev L.seq)

Cfg DMM Current: Done
Module Time: 0.15722
Vacuum On: Done
Module Time: 0.001203
Test Vacuum Solenoid Current: Passed

TE82988 Selftest rev L_Selftest Report[QUAL_12MAR19][10 49 33 AM][3 12 2019].txt

Measurement: 0.767872
Units: Amps
Limits:
Low: 0.500000
High: 1.000000
Comparison Type: GELE (>= <=)
Module Time: 0.290511
Test Vacuum: Passed
Measurement: -12.036135
Units: PSI
Limits:
Low: -14.7
High: -9
Comparison Type: GELE (>= <=)
Module Time: 0.013297
Disable Power: Done
Module Time: 0.314291
Vacuum Off: Done
Module Time: 0.001105

End Sequence: Vacuum

Reset SMU: Done
Module Time: 0.002719
Close SMU: Done
Module Time: 0.001905
Reset ALL Lambda Supplies: Done
Module Time: 1.847743
Disable System Supplies: Done
Module Time: 0.002298

End Sequence: MainSequence

End UUT Report