

Waters GTS Functional Board Fixture Materials List for 210000384 (TE0084016)

Waters Test Engineer: John McCarthy			
		<u>ElectroFix Supplied Materials</u>	
<u>Qty</u>	<u>Part No.</u>	<u>Description</u>	<u>Notes</u>
1		Function Vacuum ITA for 210000384/WATS270022	
1		Duplicate ITA for 210000384/WATS270022	
ITA to consist of the following.			
Special Instructions			
	1) Accommodate bottom side components		
	2) Drill all: Through holes connectors, Test Points, Test Point Vias.		
	3) All ITA Modules are installed with Pin1 oriented to the Left as viewed from inside fixture.		
	4) Refer to Visio Schematic for Patchcord wire color locations.		
Labor			
1		Fixture Setup	
1		Drilling	
1		Engineering	
1		Machining	
1		Assembly	
1		Labeling	Label JX through JXX on solder cup side of recepticles.
Material			
1	P04268	16" x 20" VPC G-12 Vacuum Fixture Kit	
1		Fixture Down Pins (2 pin)	
1		ESD Coated Top Plate with Ground Pins	
1		Carlington Hinges and Recessed Handles	
1		Ground Plane	
1		Dimpled Dust Cover	
1		Molded Sealing Gasket	
1		Routed Power Bus	
1	410104322	G-12 Interface Frame	
1	510108242	Vacuum Module Port	Pos.A1, A2. Connect port closest to side
2	510108101	TriPaddle Module ITA	Position A3, A4
5	510151105	QuadraPaddle Module ITA	Position B1, B2, B4, C2, C4
2	510108178	TriPaddle Signal/Mini Power Module ITA	Position B3, C3
1	510108262	Micro Power and Micro Coaxial Module ITA	Position C1

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Virginia Panel ITA Patchcords/Contacts[Continued]			
QTY	Part Number	RG316 MicroCoax Pin ITA Patchcord	
XX	7-361116000-012	Length=012	
XX	7-361116000-024	Length=024	
XX	7-361116000-036	Length=036	
QTY	Part Number	RG316 Double Ended MicroCoax Pin ITA Patchcord	
XX	7-361116361-012	Length=012	
XX	7-361116361-024	Length=024	
XX	7-361116361-036	Length=036	
QTY	Part Number	Crimp ITA Contacts	
XX	610110129	10A Tripaddle ITA Pin	
XX	610110108	7A TriPaddle ITA Pin	
XX	610138109	5A QuadraPaddle ITA Pin	
XX	610115125	65A MiniPower ITA Pin	
XX	610143101	21A MicroPower ITA Pin	

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Non Virginia Panel Wiring Material			
QTY	Part Number	Description	
AR	C0744A.41.10	SHIELDED 24AWG UL2464 8 C	Estimate 15ft required
Through Hole Connector Probes			
Qty	Probe Part No.	Probe Description	Connector RefDes[Pin1 Loc]{Pins}
60	Socket:100-SDN250S Probe:100-PRP2524L	100-25 Series~ .100 [2.54] Centers, .250 [6.35] Stroke #24Crown	J1[20.32,89.66]{1..23,25..27,38..40} J2[31.75,88.9]{1..2} J3[33.02,43.18]{1..2} J5[149.86,48.77]{1..15} J7[161.89,67.14]{1,3}
0	Socket:075-SDN250S Probe:075-PRP2524L	075-25 Series ~ .075 [1.91] Centers, .250 [6.35] Stroke #24Crown	
0	Socket:050-??????? Probe:050-PRP2558L	075-25 Series ~ .075 [1.91] Centers, .250 [6.35] Stroke #58Crown	
Pad/Via Probes			
Qty	Probe Part No.	Probe Description	Probe RefDes[Loc]{Signal}{Hint}
2	Socket:100-SDN250S Probe:100-PRP2524L	100-25 Series~ .100 [2.54] Centers, .250 [6.35] Stroke #24Crown	SP62(3.3V)[73.02,68.31]{C18+} SP63(3.3GND)[78.03,68.31]{C18-}
0	Socket:100-SDN250S Probe:100-PRP2554L	100-25 Series~ .100 [2.54] Centers, .250 [6.35] Stroke #29Serated	
0	Socket:100-SDN250S Probe:100-PRP2554L	100-25 Series~ .100 [2.54] Centers, .250 [6.35] Stroke #54Crown	
10	Socket:075-SDN250S Probe:075-PRP2561L	075-25 Series ~ .075 [1.91] Centers, .250 [6.35] Stroke #54Blade	SP22(KBD_CTRST+)[117.60,18.92]{J4-1} SP23(KBD_CTRST-)[116.74,20.60]{J4-2} SP24(GND)[126.72,16.85]{J4-8} SP25(FLM)[126.70,9.88]{J4-12} SP26(CL2)[128.71,17.73]{J4-10} SP27(CL1)[124.24,10.99]{J4-11} SP28(LD3)[124.97,18.92]{J4-6} SP29(LD2)[121.52,11.72]{J4-5} SP30(LD1)122.72,18.92]{J4-4} SP31(LD0)111.89,10.45]{J4-3} SP64(LD0)122.17,37.33]{ShieldPlane}
0	Socket:050-??????? Probe:050-PRP2554L	075-25 Series ~ .075 [1.91] Centers, .250 [6.35] Stroke #54Crown	

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Qty	Part No.	Description	Notes
1	210000384	Current Revision Loaded PCBA	
1		CAD and Gerber Files for 210000384	
1	TE0084016SCH	TE0084016SCH Front Panel PCB 210000384_WAT270022 ITA_rH.pdf	
1	TE0084016LAY	TE0084016LAY Front Panel PCB 210000384_WAT270022 ITA_rC.pdf	
1	TE0084016BOM	TE0084016BOM Front Panel PCB 210000384_WAT270022 ITA_rA.pdf	
1	Molex 50579410	CONN HOUSING 10POS .100 W/LATCH	RefDes = P1
1	Molex 50579410	CONN HOUSING 4POS .100 W/LATCH	RefDes = P2
1	TE82840-1	Waters TE Fixture ID&Down Board	RefDes = CB3
14	Molex 16020103	CONN TERM FEMALE 22-24AWG GOLD	RefDes=P2,P3,P4,P5,P6