

ITEM	QTY	PART NUMBER	DESCRIPTION	REF DES
1	1	510000273	PCB, 3V CPU2000 1MX16 FLASH ROHS	BD1
2	23	321000135	Capacitor Ceramic Fixed 100nF +20%/-20% 16Vdc X7R 0603-2 SMT	C110, C111, C112, C132, C133, C134, C135, C136, C137, C144, C145, C146, C147, C148, C151, C165, C166, C174, C175, C178, C179, C189, C261
3	2	321000168	Capacitor Ceramic Fixed 33pF +10%/-10% 50Vdc COG/NPO 0603-2 SMT	C5, C6
4	12	321000171	Capacitor Tantalum 10uF +10%/-10% 16Vdc 2.8ohms Case B-2 SMT	C8, C10, C11, C104, C106, C113, C122, C141, C181, C183, C184, C185
5	48	321000172	Capacitor Ceramic Fixed 10nF +10%/-10% 50Vdc X7R 0603-2 SMT	C103, C105, C107, C108, C114, C115, C116, C117, C118, C119, C120, C121, C123, C125, C126, C127, C128, C129, C130, C131, C138, C140, C142, C149, C154, C156, C157, C158, C160, C161, C163, C164, C167, C168, C169, C170, C171, C172, C173, C177, C180, C182, C187, C188, C190, C191, C214, C260
6	1	321000173	Capacitor Electrolytic 47uF +20%/-20% 16Vdc 70mA -2 SMT	C9
7	3	321000176	Capacitor Tantalum 1uF +10%/-10% 35Vdc 6.5ohms Case B-2 SMT	C176, C186, C193
8	2	321000230	Capacitor Tantalum 220uF +20%/-20% 10Vdc 500mOhms Case D-2 SMT	C4, C13
9	1	321000288	Capacitor Tantalum 10uF +20%/-20% 35Vdc 300mOhms Case D-2 SMT	C14
10	1	323000240	Connector Rectangular Milli Grid Populated Plug 8 Pins 0.079 (2.00mm)	J5
11	1	323000650	Connector Rectangular DF13 Populated Receptacle 10 Pins 0.049 (1.25mm) Header	J1
12	1	323000665	Connector Rectangular Bergstak Populated Plug 4 Wall Shrouded 180 Pins 0.031 (0.80mm) Straight SMT	J4
13	1	323000680	Connector Rectangular Populated Receptacle 20 Pins 0.049 (1.25mm)	J2
14	1	323000722	Connector Rectangular Mod II Populated Plug Un-Shrouded 10 Pins 0.100 (2.54mm) Straight SMT Header	J3
15	1	324000106	Crystal 20MHz 50ppm 50ppm 5x7 mm-2 SMT	Y1
16	1	325000128	Diode Rectifier Schottky MBRS130 DO-214-2 SMT	CR1

Waters 34 Maple Street Milford, MA 01757	SIZE A	DWG NO. 210000273		REV G
			BluePrint PCB	SHEET 1 OF 3

ITEM	QTY	PART NUMBER	DESCRIPTION	REF DES
17	2	332000336	IC Buffers 74LVCC4245 BI 8 Ckts TSSOP-24 SMT	U27, U28
18	1	332000358	IC Controller LAN LAN91C96 TQFP-100 SMT	U11
19	1	332000362	IC Memory 1 Meg x 16 2.7V 3.6V TSOP-48 SMT	U29
20	1	332000367	IC Supervisory V/mon M40SZ100W 2.6V SOIC-16 SMT 3.3V	U100
21	1	332000368	IC Combinatorial 74LVC1G14 INVERTER 1 Ckts SC70-5 SMT	U101
22	1	332000377	IC Processor MICROCONTROLLER MC68332 25MHz 40 PQFP-132 SMT	U18
23	8	332000503	IC Buffers 74LVC1G17 UNI 1 Ckts SC70-5 SMT Schmitt Trigger	U14, U15, U16, U17, U19, U22, U23, U24
24	4	332000545	IC Line Drivers & Receivers 74AHCT245 TRANSCEIVER IEEE TSSOP-20 SMT	U5, U6, U8, U9
25	1	332000587	IC Buffers 74CBTD16211 BI 1 Ckts TSSOP-56 SMT 24 Bit FET Bus Switch	U26
26	1	332000605	IC Memory 512K x 16 2.5V 3.6V TSOP2-44 SMT	U30
27	3	332000616	IC Buffers 74AHC245 BI 1 Ckts TSSOP-20 SMT	U2, U3, U4
28	1	332000721	IC Supervisory V/mon TPS3823 4.55V 4.55V SOT23-5 SMT	U10
29	1	332000722	IC Line Drivers & Receivers MAX3232E TRANSCEIVER RS232 TSSOP-16 SMT	U7
30	1	332000753	IC Memory 1K: 128x8 or 64x16 1.8V 5.5V SOIC-8 SMT	U1
31	3	332000762	IC Buffers 74LVC1G126 UNI 1 Ckts TSSOP-5 SMT	U13, U20, U21
32	4	333000122	LED Green Single 3.5mm x 2.8mm 30mA Straight SMD-2 SMT SUPER BRIGHT	DS1, DS2, DS3, DS4
33	1	338000124	Oscillator Clock HCMOS 24.576MHz 50ppm 50ppm 5x7-4 SMT	Y2
34	1	342000147	IC Regulator LM1117-3.3 LINEAR-FIXED 3.3V 1% 800mA SOT223-4 SMT	VR1
35	1	344000289	Resistor, Thick Film 34.8ohms 100mW 1% 50V 100ppm/C 0603-2 SMT	R1
36	8	344000293	Resistor, Thick Film 1kOhms 100mW 1% 50V 100ppm/C 0603-2 SMT	R190, R193, R199, R200, R201, R202, R203, R205
37	3	344000294	Resistor, Thick Film 825ohms 100mW 1% 50V 100ppm/C 0603-2 SMT	R119, R121, R182
38	1	344000298	Resistor, Thick Film 100ohms 100mW 1% 50V 100ppm/C 0603-2 SMT	R180

ITEM	QTY	PART NUMBER	DESCRIPTION	REF DES
39	50	344000299	Resistor, Thick Film 10kOhms 100mW 1% 50V 100ppm/C 0603-2 SMT	R2, R102, R108, R109, R110, R111, R120, R128, R129, R130, R136, R137, R138, R139, R142, R143, R147, R148, R149, R150, R152, R155, R156, R157, R158, R161, R162, R163, R164, R166, R170, R171, R172, R173, R179, R181, R183, R184, R185, R186, R187, R188, R189, R191, R192, R194, R195, R196, R197, R198
40	2	344000300	Resistor, Thick Film 60.4ohms 100mW 1% 50V 100ppm/C 0603-2 SMT	R169, R175
41	2	344000301	Resistor, Thick Film 243ohms 100mW 1% 50V 100ppm/C 0603-2 SMT	R168, R177
42	1	344000302	Resistor, Thick Film 22.1kOhms 100mW 1% 50V 100ppm/C 0603-2 SMT	R178
43	1	344000316	Resistor, Thick Film 4.75kOhms 100mW 1% 50V 100ppm/C 0603-2 SMT	R174
44	29	344000319	Resistor, Thick Film 51ohms 100mW 1% 50V 100ppm/C 0603-2 SMT	R103, R104, R105, R106, R107, R113, R117, R118, R122, R123, R124, R125, R126, R131, R132, R133, R135, R140, R141, R144, R145, R146, R153, R154, R159, R160, R165, R167, R204
45	1	344000450	Resistor, Thick Film 33.2ohms 100mW 1% 50V 100ppm/C 0603-2 SMT	R3
46	1	344000740	Resistor, Thick Film 2.2kOhms 100mW 1% 50V 100ppm/C 0603-2 SMT	R206
47	3	347000118	Filter Ferrite Bead 1A 600ohms at 100MHz 0603-2 SMT	L1, L2, L3
48	1	356000151	Transformer, 10Base-T soic-16 SMT	U12
49	1	361000366	PROGRAMMED DEVICES 3V CPU2000 CPLD TQFP-100 SMT (UNPROGRAMMED DEVICE 332000422)	U25
50	1	WAT080443	Battery Lithium 3V 220mAh LI/MN02 BUTTON	B1
51	3	WAT290136	Connector Test Point Small Loop SMT	VCC_3.3, E1, E2
52	1	336000148	Misc. Electrical Component Batt Holder 2032	
53	1	336000118	Misc. Electrical Component Insulator 2032 Battery Holder	