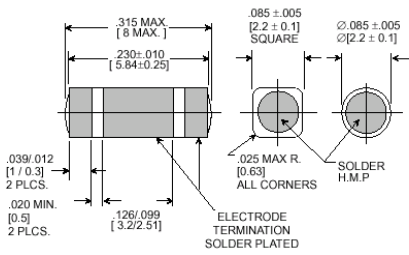


12.0 PARTS LIST

SitePro Controller SHELF ASSEMBLY EA101209V1

SYMBOL	PART NUMBER	DESCRIPTION
1	MA101080V1	Chassis Assembly.
2	19A116552P3	Clamp, Cable.
3	FM101081V1	Cover.
4	19A702381P608	Screw, Thread Form, TORX, M4 x 8mm.
5	19A701312P6	Flat washer, M4.
6	19A702364P508	Screw, Machine, TORX, M4X8mm.
7	19A700032P7	Lock washer, Internal Tooth, M4.
8	FM101231V1	Spacer Plate, Shelf Door.
9	FM101232V1	Lens keeper, Door.
10	AG101229V22	EMI Shielding Gasket, 22 Fingers.
11	AG101229V5	EMI Shielding Gasket, 5 Fingers.
12	AG101230V1	Lens, EMI Shielding.
13	19A700032P3	Lock washer, Internal Tooth, M2.5.
14	19A700034P3	Nut, M2.5 X 0.45.
15	NP101233V1	Rear Label.
16	FM101083V1	Support, Front.
A1	CB101073V1	INTERCONNECT BOARD
		---- CAPACITORS ----
C1 and C2		470pF, 2KV: sim to Arco MC1808X471KN202.
		---- JACKS ----
J1 thru J3		DIN 96_ABC-P: sim to AMP 650895-4.
J4		RJ11_MULT (2 x 2): sim Stewart SS-7368H22-NF.
J5 thru J6		CON10: sim to Stewart SS-7188S-A-NF.
J7	19A116659P173	CONN PWR 4-R.
J8	19A116659P101	CONN PWR 3-P: sim to Molex 26-60-5030.
J9	19A116659P105	CONN RCPT 6: sim to Molex 26-60-5060.
J10	19A704852P30	CONN RCPT 4.
J11		HEADER 20: sim to AMP 102160-4.
J12		CON24: sim to AMP 102160-5.
J13		HEADER 26: sim to AMP 102160-6.
J14		RJ45_MULT ((2 x 6): sim to Stewart SS-73100-070.

PARTS LIST

SYMBOL	PART NUMBER	DESCRIPTION
R1 thru R4	REP_623_642/75	---- RESISTORS ---- 75 Ohms, 1%, 0.63W.
TP3 thru TP7		---- TEST POINTS ---- Test Points: sim to Component Corp. TP-107-01.
U1 thru U29		---- Pi FILTERS ---- Capacitor: 100pF, 100WVDC@125° C, +80%/-20%: sim to Tusonix 4700 006.
A2	CB101069V1	4700 SERIES  .315 MAX [8 MAX.] .230±.010 [5.84±0.25] .039/.012 [1 / 0.3] 2 PLCS. .020 MIN. [0.5] .126/.099 [3.2/2.51] .085±.005 [2.2±0.1] SQUARE .025 MAX R. [0.63] ALL CORNERS SOLDER H.M.P. ELECTRODE TERMINATION SOLDER PLATED CONTROLLER BOARD ---- BATTERY ---- Coin: 3V. 165 mAh: Sim to Panasonic BR2325-1HM or RAYOVAC BR2325T2. ---- CAPACITORS ---- C1 RJE584320/1 Tantalum: 1.0μF, 20V ±20%. C2 19A702052P33 Ceramic: 0.1μF, 25V ±10%. C11 C12 RJE584320/1 Tantalum: 1.0μF, 20V ±20%. C13 19A702052P33 Ceramic: 0.1μF, 25V ±10%. C14 Ceramic: 470pF, 2kV ±20%: sim to MURATA GRM432X7R471KAL. C15 19A702052P33 Ceramic: 0.1μF, 25V ±10%. C30 C31 Ceramic: 470pF, 2kV ±20%: sim to MURATA GRM432X7R471KAL. C32 19A702052P33 Ceramic: 0.1μF, 25V ±10%. C38 C39 RJE584320/1 Tantalum: 1.0μF, 20V ±20%. C40 19A702052P33 Ceramic: 0.1μF, 25V ±10%. C41 C42 RJE584320/1 Tantalum: 1.0μF, 20V ±20%.
BT1		

SYMBOL	PART NUMBER	DESCRIPTION
C43 thru C45	19A702052P33	Ceramic: 0.1 μ F, 25V $\pm$ 10%.
C46	RJE584320/1	Tantalum: 1.0 μ F, 20V $\pm$ 20%.
C47 and C48	19A702052P33	Ceramic: 0.1 μ F, 25V $\pm$ 10%.
C49	19A702061P13	Ceramic: 10pF, 100V $\pm$ 10%.
C50 thru C56	19A702052P33	Ceramic: 0.1 μ F, 25V $\pm$ 10%.
C57	RJE5843208/1	Tantalum: 10 μ F, 16V $\pm$ 20%.
C58 thru C62	19A702052P33	Ceramic: 0.1 μ F, 25V $\pm$ 10%.
C63	19A702061P13	Ceramic: 10pF, 100V $\pm$ 10%.
C64	19A702052P33	Ceramic: 0.1 μ F, 25V $\pm$ 10%.
C65	19A702061P61	Ceramic: 100pF, 100V $\pm$ 10%.
C66	19A702061P57	82pF
C67	19A702052P33	Ceramic: 0.1 μ F, 25V $\pm$ 10%.
C68	RJC4643033/82	Ceramic: 820pF, 25V $\pm$ 10%.
C69 thru C73	19A702052P33	Ceramic: 0.1 μ F, 25V $\pm$ 10%.
C74	RJE584320/1	Tantalum: 1.0 μ F, 20V $\pm$ 20%.
C75 thru C92	19A702052P33	Ceramic: 0.1 μ F, 25V $\pm$ 10%.
C93	RJC4643034/1	Ceramic: 0.001 μ F, 25V $\pm$ 10%.
C94 thru C95	19A702052P33	Ceramic: 0.1 μ F, 25V $\pm$ 10%.
C96 and C97	RJE5843208/1	Tantalum: 10 μ F, 16V $\pm$ 20%.
C98 and C99	19A702052P33	Ceramic: 0.1 μ F, 25V $\pm$ 10%.
C100	RJE584320/1	Tantalum: 1.0 μ F, 20V $\pm$ 20%.
C101 thru C105	19A702052P33	Ceramic: 0.1 μ F, 25V $\pm$ 10%.
C106	RJC4643034/1	Ceramic: 0.001 μ F, 25V $\pm$ 10%.

PARTS LIST

SYMBOL	PART NUMBER	DESCRIPTION
C107 thru C110	19A702052P33	Ceramic: 0.1μF, 25V ±10%.
C111	RJC4643034/1	Ceramic: 0.001μF, 25V ±10%.
C112 thru C114	19A702052P33	Ceramic: 0.1μF, 25V ±10%.
C115	19A702052P37	Ceramic: 0.033μF, 25V ±10%.
C116	19A702052P33	Ceramic: 0.1μF, 25V ±10%.
C117		Tantalum: 10 μF, 16V, low profile, ±20%: sim to AVX TAJT106M010.
C118 thru C120	19A702052P33	Ceramic: 0.1μF, 25V ±10%.
----- DIODES -----		
D1 thru D4		LED: Red, Thru-hole, RT ANGLE: sim to HLMP1301-A1.
D5		LED: Green, Thru-hole, RT ANGLE: sim to HLMP1503-A1.
D6 and D7		LED: Yellow, sim to Citizen 1206: sim to Citizen CL- 150Y.
D8		LED: Green, Thru-hole, RT ANGLE: sim to HLMP1503-A1.
D9 and D10		LED: Yellow, sim to Citizen 1206: sim to Citizen CL- 150Y.
D11		Dual, High-Speed: sim to Philips, BAV99, SOT23.
D12		LED: Green, thru-hole: sim to Citizen CL-150G.
D13 thru D29		Dual, High-speed: sim to Philips, BAV99, SOT23.
D32 and D33		Dual, High-speed: sim to Philips, BAV99, SOT23.
----- JACKS -----		
J1		Header 5x2: sim to AMP 146130-4.
J2		Header 22x2: sim to Samtec ASP-67352-01.
J3		MICTOR-38 Pin: sim to AMP 2-767004-2 (<i>Not placed</i>).
J4		Header 4x2: sim to AMP 87227-4 (<i>Not placed</i>).
J5 and J6		MICTOR-38 Pin: sim to AMP 2-767004-2 (<i>Not placed</i>).

SYMBOL	PART NUMBER	DESCRIPTION
J7		DIN96, 32x3, 0.1x0.1 Header: sim to Burndy P196B80P00F0NN9.
J8		Telephone jack RJ-11, Rt Angle, non-shielded: sim to AMP 555163-1.
J9		Header 22x2: sim to Samtec ASP-67352-01.
J10		Header 5x2: sim to AMP 146130-4.
		---- INDUCTOR ----
L1		39 μ H $\pm$ 15%: sim to Panasonic ELJ-FA390JF.
		---- RESISTORS ----
R1	19A149818P103	Metal Film: 10k Ohms $\pm$ 5%, 0.1W.
R2 thru R4	19A149818P102	Metal Film: 1k Ohms $\pm$ 5%, 0.1W.
R5	19A149818P103	Metal Film: 10k Ohms $\pm$ 5%, 0.1W.
R6 thru R8	19A149818P040	Metal Film: 0 Ohms.
R9 thru R13	19A149818P390	Metal Film: 39 Ohms.
R14 and R15	19A149818P750	Metal Film: 75 Ohms $\pm$ 5%, 0.1W.
R16 and R17	19A149818P103	Metal Film: 10k Ohms $\pm$ 5%, 0.1W.
R18	19A149818P040	Metal Film: 0 Ohms.
R19	19A149818P222	Metal Film: 2.2k Ohms $\pm$ 5%, 0.1W.
R20 and R21	19A149818P390	Metal Film: 39 Ohms
R22	REP623642/499	49.9 Ohms $\pm$ 1%.
R23	19A149818P331	Metal Film: 330 Ohms $\pm$ 5%, 0.1W.
R24	19A149818P152	Metal Film: 1.5k Ohms $\pm$ 5%, 0.1W.
R25	19A149818P102	Metal Film: 1k Ohms $\pm$ 5%, 0.1W.
R26 and R27	19A149818P390	Metal Film: 39 Ohms.
R28 and R29	19A149818P103	Metal Film: 10k Ohms $\pm$ 5%, 0.1W.
R30 and R31	19A149818P390	Metal Film: 39 Ohms.

PARTS LIST

SYMBOL	PART NUMBER	DESCRIPTION
R32 thru R34	REP623642/499	49.9 Ohms $\pm 1\%$.
R35	19A149818P331	Metal Film: 330 Ohms $\pm 5\%$, 0.1W.
R36 and R37	19A149818P390	Metal Film: 39 Ohms.
R38	REP623645/1	10k Ohms $\pm 1\%$
R39	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R40 and R41	19A149818P750	Metal Film: 75 Ohms $\pm 5\%$, 0.1W.
R42	19A149818P331	Metal Film: 330 Ohms $\pm 5\%$, 0.1W.
R43		(Not Placed)
R44	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R45		(Not Placed)
R46 thru R50	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R51	19A149818P390	Metal Film: 39 Ohms
R52 and R53	REP623642/499	49.9 Ohms $\pm 1\%$.
R54	19A149818P331	Metal Film: 330 Ohms $\pm 5\%$, 0.1W.
R55	19A149818P121	Metal Film: 120 Ohms $\pm 5\%$, 0.1W.
R56 and R57	19A149818P102	Metal Film: 1k Ohms $\pm 5\%$, 0.1W.
R58	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R59	19A149818P121	Metal Film: 120 Ohms $\pm 5\%$, 0.1W.
R60	19A149818P102	Metal Film: 1k Ohms $\pm 5\%$, 0.1W.
R61	19A149818P121	Metal Film: 120 Ohms $\pm 5\%$, 0.1W.
R62 and R63	19A149818P102	Metal Film: 1k Ohms $\pm 5\%$, 0.1W.
R64 and R65	REP623642/499	49.9 Ohms $\pm 1\%$.
R66	19A149818P121	Metal Film: 120 Ohms $\pm 5\%$, 0.1W.
R67	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R68 and R70	19A149818P102	Metal Film: 1k Ohms $\pm 5\%$, 0.1W.

SYMBOL	PART NUMBER	DESCRIPTION
R71 and R72	19A149818P121	Metal Film: 120 Ohms $\pm 5\%$, 0.1W.
R73 and R74	19A149818P105	Metal Film: 1 Meg Ohm $\pm 5\%$, 0.1W.
R75		3.01k Ohms $\pm 1\%$: sim to ROHM MZR03EZHF3101.
R76	19A149818P102	Metal Film: 1k Ohms $\pm 5\%$, 0.1W.
R77 thru R79	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R80	19A149818P333	Metal Film: 33k Ohms
R81	19A149818P102	Metal Film: 1k Ohms $\pm 5\%$, 0.1W.
R82	19A149818P390	Metal Film: 39 Ohms.
R83	19A149818P102	Metal Film: 1k Ohms $\pm 5\%$, 0.1W.
R84	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R85	REP623645/1	10.0k Ohms $\pm 1\%$.
R86	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R87	19A149818P331	Metal Film: 330 Ohms $\pm 5\%$, 0.1W.
R88	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R89	19A149818P102	Metal Film: 1k Ohms $\pm 5\%$, 0.1W.
R90	19A139818P106	Metal Film: 10 Meg Ohms $\pm 5\%$, 1/16W.
R91 thru R94	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R95	REP623646/47	470k Ohms $\pm 1\%$.
R96	19A149818P102	Metal Film: 1k Ohms $\pm 5\%$, 0.1W.
R97	19A149818P390	Metal Film: 39 Ohms.
R98	19A149818P204	Metal Film: 200k Ohms.
R99		(Not Placed)
R100 thru R110	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R111	19A149818P750	Metal Film: 75 Ohms $\pm 5\%$, 0.1W.
R112 thru R122	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R123	19A149818P390	Metal Film: 39 Ohms.
R124 thru R135	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R136	19A149818P222	Metal Film: 2.2k Ohms $\pm 5\%$, 0.1W

PARTS LIST

SYMBOL	PART NUMBER	DESCRIPTION
R137 thru R139	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R140 and R141	19A149818P511	Metal Film: 510 Ohms.
R142 and R143	19A149818P222	Metal Film: 2.2k Ohms $\pm 5\%$, 0.1W.
R144	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R145	19A149818P511	Metal Film: 510 Ohms.
R146	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R147	19A149818P392	Metal Film: 3.9k Ohms.
R148	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R149	19A149818P101	Metal Film: 100 Ohms.
R150	19A149818P392	Metal Film: 3.9k Ohms.
R151 and R152	19A149818P511	Metal Film: 510 Ohms
R153		0.015 Ohms $\pm 1\%$, 0.5W $\pm 1\%$: sim to IRC-TT LRC-LRF1206-01-R015-F.
R154	19A149818P511	Metal Film: 510 Ohms
R155 thru R158	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R159	19A149818P102	Metal Film: 1k Ohms $\pm 5\%$, 0.1W.
R160	19A149818P392	Metal Film: 3.9k Ohms
R161	19A149818P100	Metal Film: 10 Ohms $\pm 5\%$, 0.1W
R162	19A149818P101	Metal Film: 100 Ohms.
R163	19A149818P511	Metal Film: 510 Ohms.
R164 and R165	19A149818P102	Metal Film: 1k Ohms $\pm 5\%$, 0.1W.
R166	19A149818P511	Metal Film: 510 Ohms.
R167	REP623644/56	5.6k Ohms $\pm 1\%$, 0.1W.
R168	REP623644/2	2.0k Ohms $\pm 1\%$, 0.1W.
R169	19A149818P101	Metal Film: 100 Ohms.
R170	19A149818P392	Metal Film: 3.9k Ohms.
R171	19A149818P472	Metal Film: 4.7k Ohms $\pm 5\%$. 0.1W.
R172	19A149818P273	Metal Film: 27k Ohms
R173	19A149818P222	Metal Film: 2.2k Ohms $\pm 5\%$, 0.1W.
R174		<i>Not Used</i>

SYMBOL	PART NUMBER	DESCRIPTION
R175 and R176	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R177	19A149818P472	Metal Film: 4.7k Ohms $\pm 5\%$, 0.1W.
R178	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R179	19A149818P472	Metal Film: 4.7k Ohms $\pm 5\%$, 0.1W.
R180	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R181		100k Ohms $\pm 5\%$, 0.1W.
R182		<i>Not Used</i>
R183	19A149818P040	Metal Film: 0 Ohms.
R184 thru R186	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R187	19A149818P040	Metal Film: 0 Ohms
R188	19A149818P152	Metal Film: 1.5k Ohms $\pm 5\%$, 0.1W.
R189	19A149818P102	Metal Film: 1k Ohms $\pm 5\%$, 0.1W.
R190 and R191	REP623644/56	5.6k Ohms $\pm 1\%$, 0.1W.
R192	19A149818P333	Metal Film: 33k Ohms
R193	19A149818P390	Metal Film: 39 Ohms.
R194		<i>(Not placed)</i>
R195	19A149818P103	Metal Film: 10k Ohms $\pm 5\%$, 0.1W.
R196 and R197	19A149818P040	Metal Film: 0 Ohms
RN1 thru RN15		----- RESISTOR NETWORKS ----- 10k Ohms, BUS8, $\pm 5\%$, 0.063W: sim to CTC 745C101103JTR. ----- SWITCHES ----- PUSHBUTTON, SPST N.O./SPST N.C.: sim to Grayhill 32-01. DIPSWITCH, 8 position: sim to Grayhill 97S08SR. ----- TEST POINTS ----- SM Test Point Loop – Surface Mount: sim to ADI/ SM-TESTPAD/Components-Corporation TP-107-01. ----- TRANSFORMERS ----- 1:1, 10/100Mbps: sim to TG110-S05N2.
T1 and T2		

PARTS LIST

SYMBOL	PART NUMBER	DESCRIPTION
- - - - TRANSISTORS - - - -		
Q1		NPN: Switching: sim to Phillips PMBT3904, SOT23.
Q2		FET: Small-Signal, N-Channel: sim to INFINEON, BSP295.
thru		
Q4		
Q5		MOSFET: N-Channel, 5A, 20V: sim to ON Semiconductor, NTMSN03R2 (<i>MMSF5N02HD obsolete part</i>).
Q6		NPN: Switching: sim to Phillips PMBT3904, SOT23.
and		
Q7		
Q8		PNP: sim to Motorola, MMBT3906LT1, SOT23.
Q9		NPN: Switching: sim to Phillips PMBT3904, SOT23.
and		
Q10		
- - - - INTEGRATED CIRCUITS - - - -		
U1		Single Buffer with 3-State Output: sim to Fairchild NC7SZ125M5, SOT23-5.
U2		8M x 16 SDRAM, PC100: sim to Micron MT48LC8M16A2TG-8E, TSOP54.
U3		Silicon Serial Number: sim to Dallas, DS2401P, TSOC6.
U4		Clock Buffer: sim to Cypress Cy2305SC-1, SOIC8.
U5		10/100-TX/FX Ethernet Transceiver: sim to AMD AM79C874VC, TQFP80.
U6		Octal Buffer, 3.3V: sim to TI 74LVC244ADB, SSOP20.
U7		8M x 16 SDRAM, PC100: sim to Micron MT48LC8M16A2TG-8E, TSOP54.
U8		Octal Buffer, 3.3V: sim to TI 74LVC244ADB, SOP20.
U9		Microprocessor, 66MHz: sim to Motorola, XPC860PZP66D4, BGA357.
U10	SK101412V1	1M x 16/2M x 8 Flash, simultaneous Read/Write (<i>programmed</i>): sim to AMD, AM29DL163DB90E1, TSOP48 (<i>unprogrammed</i>).
U11	SK101412V2	1M x 16/2M x 8 Flash, simultaneous Read/Write (<i>programmed</i>): sim to AMD, AM29DL163DB90E1, TSOP48 (<i>unprogrammed</i>).
U12		10/100-TX/FX Ethernet Transceiver: sim to AMD AM79C874VC, TQFP80.
U13		RS232 Transceiver, 5V, 2-TX, 2-RX: sim to MAXIM, MAX202CSE, SOIC16.
U14		2-wire serial 128k (16k x 8) EEPROM, I ² C, 3.3V: sim to Atmel, AT24C128N-10SC-2.7, SOIC8.
U15		I ² C Bus 8-bit I/O: sim to Philips, PCF8574T, SOIC16.

SYMBOL	PART NUMBER	DESCRIPTION
U16		Phase-Lock-Loop (PLL): sim to TI, 74HCT4046ADB, SSOP20.
U17		Single Inverter: sim to Philips, 74HC1G04GW, SOT-353.
U18		HEX Buffer: sim to Philips, 74HC14PW, TSSOP14.
U19		Octal XCVR, BUS HOLD, 3.3V, sim to Philips, 74LVCH245APW, TSSOP20.
U20		Single Inverter: sim to Philips, 74HC1G04GW, SOT-353.
U21		RS485 Transceiver: sim to TI, 75176BD, SO8.
U22 and U23		HEX Buffer: sim to Philips, 74HC14PW, TSSOP14.
U24		RS232 Transceiver, 3V to 5.5V, 3-TX, 5-RX: sim to MAXIM, MAX3241CAI, SSOP28.
U25		+5V Regulator, 1.5A: sim to Linear Tech, LT1086CM-3.3, TO263.
U26		I ² C Bus 8-bit I/O: sim to Philips, PCF8574T, SOIC16.
U27		MAX3000A 144 PIN EPLD, sim to Altera, EPM3256ATC144-10, TQFP144.
U28		Quad UART (QUART): sim to SC28L194A1BE, TQFP80.
U29		HEX Buffer: sim to Philips, 74HCT14PW, TSSOP14.
U30		RS232 Transceiver, 5V, 4-TX, 5-RX: sim to MAXIM, MAX213CAI, SSOP28.
U31		Reset Supervisor: sim to Dallas, DS1818R-10, SOT23.
U32		HEX Buffer: sim to Philips, 74HCT14PW, TSSOP14.
U33 thru U35		HEX Open-Collector Output Drivers: sim to Philips, 7406AD, SOIC14.
U36		RS232 Transceiver, 3V to 5.5V, 5-TX, 3-RX: sim to MAXIM, MAX3237CAI, SSOP28.
U37		Hot Swap Controller: sim to Linear Tech, LTC1422, SOIC8.
U38		Single 2-Input NAND Gate: sim to Phillips, 74AHC1G00GW, SOT353.
U39		Not Used
U40		555 Timer: sim to National, LMC555CM, TO263.
U41 and U42		Single Inverter: sim to Phillips 74AC1G04GW.
U43		REAL TIME CLOCK, IND.: sim to Dallas DS1307ZN.

PARTS LIST

SYMBOL	PART NUMBER	DESCRIPTION
		----- OSCILLATORS -----
Y1		Crystal: 25MHz CLK ± 50 ppm, 40%/60% duty, 3.3V: sim to Raltron CO4305-25.0000-TR
Y2		Crystal: 29.4912 MHz CLK ± 100 ppm, 40%/60% duty, 3.3V: sim to Raltron CO4310-29.4912-TR.
Y3		Crystal: 32.786kHz CLK: sim to Raltron RSE-32.768-12.5-H2.
Y4		Crystal: 11.0592 MHz CLK ± 50 ppm, 40%/60% duty, 3.3V: sim to Raltron CO4305-11.0592-TR..
Y5		Crystal: 32.786kHz CLK: sim to Raltron RSE-32.768-12.5-H2.
A2-A1	CB101074V1	SitePro MODEM BOARD
		----- CAPACITORS -----
C1 thru C2	RJE 584 3208/1	Tantalum: 10 μ F
C3 thru C27	RJC 464 3046/1	Ceramic: 0.1 μ F
		----- CONNECTORS -----
J1 and J2		I/O: QUICC, Edge 22x2: sim to Samtec CLP-122-02-G-D-BE
J3		Diagnostic Connector: sim to Semtec FTSH-110-01-L-DV.
		----- RESISTORS -----
R1 thru R8 R9	REP 622 455/1	10k Ohms $\pm 5\%$, 0.06W. <i>Not Used.</i>
R10	REP 622 455/1	10k Ohms $\pm 5\%$, 0.06W.
R11 thru R13	REP 622 454/1	1k Ohms $\pm 5\%$, 0.06W.
R14	REP 622 453/27	270 Ohms $\pm 5\%$, 0.06W.
R15 thru R20	REP 622 455/1	10k Ohms $\pm 5\%$, 0.06W.
		----- INTEGRATED CIRCUITS -----
U1		Local Microprocessor (socketed): sim to Dallas DS80C323QCD.
U2		SRAM 64 x 8k: sim to Integrated Circuit Devices IDT71V124SA20PH.
U3		Dual Port RAM: sim to Integrated Circuit Devices IDT70V05L55PF.

SYMBOL	PART NUMBER	DESCRIPTION
U4	ROP 101 688/4C	SRAM 64 x 8k: sim to Integrated Circuit Devices IDT71V124SA20PH.
U5		Address Decoder: sim to 74LVC138ADB.
U6		3.3V - 5V Converter: sim to Integrated Circuit Devices IDT74FCT164245TPA.
U7		8-Bit Latch: sim to Philips 74LVC373APWDH.
U8		Not Used.
U9 thru U11		RF/PL/VDI Modem
U12		Adder Bus Buffer: sim to Integrated Circuit Devices IDT74FCT163245APF.
U13		Data Bus Buffer: sim to Integrated Circuit Devices IDT74FCT3245APG
U14 and U15		Not Used.
U16		Quad 3-Input NAND Gate: sim to Philips 74LVC10APWDH.
U17		Quad 2-Input NOR Gate: sim to Philips 74LVC02APWDH.
U18		Hex Inverter: sim to Philips 74LVC04APWDH.
U19		Quad 2-Input NAND Gate: sim to Philips 74HC1G00GW.
U20 thru U22		Single Inverter: sim to Philips 74HC1G04GW.
U23		Quad 2-Input NAND Gate: sim to Philips 74HC1G00GW.
U24 and U25		Single Inverter: sim to Philips 74HC1G04GW.
----- SOCKET -----		
XU1	RNK 860 12/044	PLCC44
----- CABLES -----		
W1	CA101211V1	Input To Power Supply.
W2	CA101212V1	Output From Power Supply.
C87 and C88		Not Used.
C89 thru C91		0.1μF: sim to Panasonic ECJ-1VB1C104K
C92		Not Used.

PARTS LIST

SYMBOL	PART NUMBER	DESCRIPTION
C93 thru C98		0.1μF: sim to Panasonic ECJ-1VB1C104K
C100 thru C104		0.1μF: sim to Panasonic ECJ-1VB1C104K
C106 thru C111		0.1μF: sim to Panasonic ECJ-1VB1C104K
C112		<i>Not Used</i>
C113 thru C121		0.1μF: sim to Panasonic ECJ-1VB1C104K
C123		4.7pF: sim to Kemet C0603C479K5GAC
C124 and C125		0.1μF: sim to Panasonic ECJ-1VB1C104K
----- DIODES -----		
D1 and D2		: sim to Motorola BAT54LT1
D3 and D4		<i>Not Used.</i>
D5		Dual High Speed: sim to Philips Semiconductors BAL99.
D6 thru D9		: sim to Motorola BAT54LT1.
D10		<i>Not Used.</i>
D11 and D12		Dual High Speed: sim to Philips Semiconductors BAL99.
D13 and D14		<i>Not Used.</i>
D15		: sim to Motorola BAT54LT1.
----- JACK -----		
J1		DIN96_ABC_R: sim to AMP 536366-5.
----- RELAYS -----		
K1 and K2		2FORMC: sim to NEC EB2-4.5S.
----- TRANSISTOR -----		
Q1		NPN: Switching: sim to Motorola MMBT3904LT1.

SYMBOL	PART NUMBER	DESCRIPTION
		----- RESISTORS -----
R1		124k Ohms: sim to Panasonic ERJ-3EKF1243V.
R2		Resistor network: SM/RP_EXB-D10C [EXB-D10C/SM]: sim to Panasonic EXB-D10C103J.
R3		<i>Not Used.</i>
R4		16k Ohms: sim to Panasonic ERJ-3EKF1602V.
R5		1.21k Ohms: sim to Panasonic ERJ-3EKF1211V.
R6		5.11k Ohms: sim to Panasonic ERJ-3EKF5111V.
R7		1k Ohms: sim to Panasonic ERJ-3EKF1001V.
R8		16k Ohms: sim to Panasonic ERJ-3EKF1602V.
R9		1.21k Ohms: sim to Panasonic ERJ-3EKF1211V.
R10		5.11k Ohms: sim to Panasonic ERJ-3EKF5111V.
R11		1k Ohms: sim to Panasonic ERJ-3EKF1001V.
R12 and R13		<i>Not Used.</i>
R14		31.6k Ohms: sim to Panasonic ERJ-3EKF3162V.
R15		0 Ohms: sim to Panasonic ERJ-3EKF0.0V.
R16		150k Ohms: sim to Panasonic ERJ-3EKF1503V.
R17		100k Ohms: sim to Panasonic ERJ-3EKF1003V.
R18		1Meg Ohm: sim to Panasonic ERJ-3EKF1004V.
R19		<i>Not Used.</i>
R20		1Meg Ohms: sim to Panasonic ERJ-3EKF1004V.
R21		0 Ohms: sim to Panasonic ERJ-3EKF0.0V.
R22		100k Ohms: sim to Panasonic ERJ-3EKF1003V.
R23 and R24		<i>Not Used.</i>
R25		46.4k Ohms: sim to Panasonic ERJ-3EKF4642V.
R26		0 Ohms: sim to Panasonic ERJ-3EKF0.0V.
R27		100k Ohms: sim to Panasonic ERJ-3EKF1003V.
R28		11k Ohms: sim to Panasonic ERJ-3EKF1102V.
R29		1.96k Ohms: sim to Panasonic ERJ-3EKF1961V.
R30		5.11k Ohms: sim to Panasonic ERJ-3EKF5111V.
R31		1.1k Ohms: sim to Panasonic ERJ-3EKF1101V.
R32		11k Ohms: sim to Panasonic ERJ-3EKF1102V.
R33		1.96k Ohms: sim to Panasonic ERJ-3EKF1961V.
R34		5.11k Ohms: sim to Panasonic ERJ-3EKF5111V.
R35		1.1k Ohms: sim to Panasonic ERJ-3EKF1101V.
R36		470 Ohms: sim to Panasonic ERJ-3EKF4700V.

PARTS LIST

SYMBOL	PART NUMBER	DESCRIPTION
R37 and R38		1Meg Ohms: sim to Panasonic ERJ-3EKF1002V.
R39		22.1k Ohms: sim to Panasonic ERJ-3EKF2212V.
R40		20K Ohms: sim to Panasonic ERJ-3EKF2002V.
R41		22.1k Ohms: sim to Panasonic ERJ-3EKF2212V.
R42		<i>Not Used.</i>
R43		294k Ohms: sim to Panasonic ERJ-3EKF2943V.
R44 and R45		22.1k Ohms: sim to Panasonic ERJ-3EKF2212V.
R46		10k Ohms: sim to Panasonic ERJ-3EKF1002V.
R47		10Meg Ohms: sim to Panasonic ERJ-3EKF1005V.
R48		<i>Not Used.</i>
R49		10k Ohms: sim to Panasonic ERJ-3EKF1002V.
R50		68k Ohms: sim to Panasonic ERJ-3EKF6802V.
R51		<i>Not Used.</i>
R52		100k Ohms: sim to Panasonic ERJ-3EKF1003V.
R53		10k Ohms: sim to Panasonic ERJ-3EKF1002V.
R54		0 Ohms: sim to Panasonic ERJ-3EKF0.0V.
R55		23.7k Ohms: sim to Panasonic ERJ-3EKF2372V.
R56 and R57		<i>Not Used.</i>
R58		47k Ohms: sim to Panasonic ERJ-3EKF4702V.
R59 and R60		10k Ohms: sim to Panasonic ERJ-3EKF1002V.
R61 and R62		0 Ohms: sim to Panasonic ERJ-3EKF0.0V.
R63		20k Ohms: sim to Panasonic ERJ-3EKF2002V.
R64		<i>Not Used.</i>
R65		60.4k Ohms: sim to Panasonic ERJ-3EKF6042V
R66		<i>Not Used.</i>
R67		1k Ohms: sim to Panasonic ERJ-3EKF1001V.
R68		4.7k Ohms: sim to Panasonic ERJ-3EKF4701V.
R69		0 Ohms: sim to Panasonic ERJ-3EKF0.0V.
R70		60.4k Ohms: sim to Panasonic ERJ-3EKF6042V.
R71		<i>Not Used.</i>

SYMBOL	PART NUMBER	DESCRIPTION
R72 thru R74		22.1k Ohms: sim to Panasonic ERJ-3EKF2212V.
R75 thru R77		<i>Not Used.</i>
R78 and R79		10k Ohms: sim to Panasonic ERJ-3EKF1002V.
R80 thru R83		<i>Not Used.</i>
R84		0 Ohms: sim to Panasonic ERJ-3EKF0.0V.
R85		<i>Not Used.</i>
R86		10k Ohms: sim to Panasonic ERJ-3EKF1002V.
R87		18k Ohms: sim to Panasonic ERJ-3EKF1802V.
R88		0 Ohms: sim to Panasonic ERJ-3EKF0.0V
R89		32.4k Ohms: sim to Panasonic ERJ-3EKF3242V.
R90		<i>Not Used.</i>
R91		82.5k Ohms: sim to Panasonic ERJ-3EKF8252V.
R92		<i>Not Used.</i>
R93 and R94		<i>Not Used.</i>
R95		221k Ohms: sim to Panasonic ERJ-3EKF2213V.
R96		<i>Not Used.</i>
R97		10k Ohms: sim to Panasonic ERJ-3EKF1002V.
R98		82.5k Ohms: sim to Panasonic ERJ-3EKF8252V.
R99		10k Ohms: sim to Panasonic ERJ-3EKF1002V.
R100 thru R102		<i>Not Used.</i>
R103 and R104		4.7k Ohms: sim to Panasonic ERJ-3EKF4701V.
R105 thru R108		470 Ohms: sim to Panasonic ERJ-3EKF4700V.
R109 and R111		<i>Not Used.</i>
R112		4.7k Ohms: sim to Panasonic ERJ-3EKF4701V.
R113		10 Ohms ERJ-3EKF10R0V.
R114		0 Ohms ERJ-3EKF0.0V

PARTS LIST

SYMBOL	PART NUMBER	DESCRIPTION
R115 thru R118		<i>Not Used.</i>
R119 and R120		0 Ohms: sim to Panasonic ERJ-3EKF0.0V.
R121		20k Ohms: sim to Panasonic ERJ-3EKF2002V.
R122		39.2k Ohms: sim to Panasonic ERJ-3EKF3922V.
R123 and R124		51.1K Ohms: sim to Panasonic ERJ-3EKF5112V.
R125		39.2k Ohms: sim to Panasonic ERJ-3EKF3922V.
R126		332k Ohms: sim to Panasonic ERJ-3EKF3323V.
R127		Resistor network: sim to Panasonic EXB-D10C103J.
R128 thru R130		0 Ohms: sim to Panasonic ERJ-3EKF0.0V.
R131		10Meg Ohms: sim to Panasonic ERJ-3EKF1005V.
R132 thru R151		<i>Not Used.</i>
R152		100k Ohms: sim to Panasonic ERJ-3EKF1003V.
R153		10k Ohms: sim to Panasonic ERJ-3EKF1002V.
		---- TEST POINTS ----
TP32 and TP33		T POINT R: sim to Components Corp. TP-107-01.
		---- INTEGRATED CIRCUITS ----
U2		Three-terminal negative fixed voltage (-5V) regulator: sim to Motorola/On Semiconductors, MC79M05BT.
U3		Dual 4-Stage Binary Ripple Counter: sim to Motorola, MC74HC393AD.
U4		Remote 16-bit I/O Expander: sim to Philips, PCF8575CTS.
U5		High slew rate, wide bandwidth, single supply operational amplifier: sim to Motorola/On Semiconductors, MC33074D.
U6		High slew rate, wide bandwidth, single supply operational amplifier: sim to Motorola/On Semiconductors: sim to Motorola, MC33072D.
U7		Fault-Protected, High-Voltage Single 8-to-1/Dual 4-to-1 Multiplexers: sim to Maxim, MAX4508ESE.
U8		Addressable dual digital potentiometer: sim to Dallas, DS1803Z-010.

SYMBOL	PART NUMBER	DESCRIPTION
U9		SPST/SPDT Analog Switches: sim to Maxim, DG419DY.
U10		High slew rate, wide bandwidth, single supply operational amplifier: sim to Motorola/On Semiconductors: sim to Motorola, MC33074D
U11		8 th -Order, Low-pass, Switched-Capacitor Filters: sim to Maxim, MAX292ESA.
U12		Low power dual voltage comparator: sim to Motorola, LM393D.
U13		<i>Not Used.</i>
U14		8 th -Order, Lowpass, Elliptic, Switched-Capacitor Filters: sim to Maxim, MAX294EWE.
U15		High slew rate, wide bandwidth, single supply operational amplifier: sim to Motorola/On Semiconductors: sim to Motorola, MC33072D.
U16		Quad Low Power RS-232 Driver: sim to Linear Tech, LTC1067IS.
U17		High slew rate, wide bandwidth, single supply operational amplifier: sim to Motorola/On Semiconductors: sim to Motorola, MC33072D.
U18		SPST/SPDT Analog Switches: sim to Maxim, DG419DY.
U19		High slew rate, wide bandwidth, single supply operational amplifier: sim to Motorola/On Semiconductors: sim to Motorola, MC33072D.
U20		Low Pass Filter: sim to Maxim, MAX294EWE.
U21		<i>Not Used.</i>
U22		SPST/SPDT Analog Switches: sim to Maxim, DG419DY.
U23		8-Bit A/D and D/A Converter: sim to Philips, PCF8591TD.
U24		+5V-Powered, Multi-channel RS-232 Drivers/Receivers: sim to Maxim, MAX232AESE.
U25		Quad Low Power RS-232 Driver: sim to Linear Tech, LTC4861S.
U26		Quad RS-485 Line Receiver: sim to Linear Tech, LTC 489IS.
U27		Dual Peripheral Drivers: sim to TI, SN75451BD
U28		High slew rate, wide bandwidth, single supply operational amplifier: sim to Motorola/On Semiconductors: sim to Motorola, MC33072D.
U29 and U30		<i>Not Used</i>

PARTS LIST

SYMBOL	PART NUMBER	DESCRIPTION
U31	ROA 117 2247/1 CB101070V1	Fault-protected, high-voltage, Single 4-to-1/Dual 2-to-1 Multiplexers: sim to Maxim MAX4534ESD.
U32		Hex Inverter: sim to Motorola MC14069UBDR2
U33		Low offset voltage dual comparators: sim to Motorola LM393D.
U34		2-wire serial 128k (16k x 8) EEPROM, I ² C, 3.3V: sim to Atmel, AT24C128N-10SC-2.7, SOIC8.
Y1		400 kHz: sim to STATEK_CX-3V-SM
A3		ROCKWELL MODEM INTERFACE BOARD
A4		ANALOG BOARD
		---- CAPACITORS ----
C1 and C2		Not Used.
C3		1 µF: Sim to Panasonic ECS-T1CY105R.
C4	—	10 nF: Sim to Panasonic ECU-V1H103KBV.
C5		1 µF: Sim to Panasonic ECS-T1CY105R.
C6		10 nF: Sim to Panasonic ECU-V1H103KBV.
C7 thru C9		Not Used.
C10		1 nF: Sim to Panasonic ECU-V1H102KBV.
C11		4.7 nF: Sim to Panasonic ECU-V1H472KBV.
C12 and C13		10 nF: Sim to Panasonic ECU-V1H103KBV.
C14		2.2 nF: Sim to Panasonic ECU-V1H222KBV.
C15		10 nF: Sim to Panasonic ECU-V1H103KBV.
C16 and C17		22 nF: Sim to Panasonic ECU-V1E223KBV.
C18	—	1.5 nF: Sim to Panasonic ECU-V1H152KBV.
C19 and C20		47 µF: Sim to Sprague 593D476X9016D2T.
C21		10 nF: Sim to Panasonic ECU-V1H103KBV.
C22		15 nF: Sim to Panasonic ECU-V1H153KBV.
C23		22 nF: Sim to Panasonic ECU-V1E223KBV.
C24		2.2 nF: Sim to Panasonic ECU-V1H222KBV.
C25		15 nF: Sim to Panasonic ECU-V1H153KBV.
C26		22 nF: Sim to Panasonic ECU-V1E223KBV.
C27		33 nF: Sim to Panasonic ECJ-1VB1E333K.

SYMBOL	PART NUMBER	DESCRIPTION
C28		10 nF: Sim to Panasonic ECU-V1H103KBV.
C29		3.3 pF: Sim to Panasonic ECU-V1H033CCV.
C30		0.1µF: Sim to Panasonic ECJ-1VB1C104K.
C31		15 nF: Sim to Panasonic ECU-V1H153KBV.
C32		10 µF: Sim to Panasonic ECS-H1CC106R.
C33		22 µF: Sim to Panasonic ECS-T1CD226R.
C34		10 µF: Sim to Panasonic ECS-H1CC106R.
C35 thru C38		Not Used.
C39		3.3 pF: Sim to Panasonic ECU-V1H033CCV.
C40		15 nF: Sim to Panasonic ECU-V1H153KBV.
C41		10 nF: Sim to Panasonic ECU-V1H103KBV.
C42		47 µF: Sim to 12 Sprague 593D476X9016D2T.
C43 thru C46		Not Used.
C47 thru C52		0.1µF: Sim to Panasonic ECJ-1VB1C104K.
C53 and C54		47 µF: Sim to Sprague 593D476X9016D2T.
C55 and C56		Not Used.
C57 thru C60		47 µF: Sim to Sprague 593D476X9016D2T.
C61 thru C63		Not Used.
C64 thru C86		0.1µF: Sim to Panasonic ECJ-1VB1C104K.
C87 and C88		Not Used
C89 thru C91		0.1µF: Sim to Panasonic ECJ-1VB1C104K.
C92		Not Used.
C93 thru C98		0.1µF: Sim to Panasonic ECJ-1VB1C104K.

PARTS LIST

SYMBOL	PART NUMBER	DESCRIPTION
C99	RJC 463 3032/68	Not Used.
C100 thru C104		0.1μF: Sim to Panasonic ECJ-1VB1C104K.
C105		Not Used.
C106 thru C111		0.1μF: Sim to Panasonic ECJ-1VB1C104K..
C112		Not Used.
C113 thru C121		0.1μF: Sim to Panasonic ECJ-1VB1C104K..
C122		Not Used.
C123		4.7 pF: Sim to Kemet C0603C479K5GAC.
C124 thru C126		0.1μF: Sim to Panasonic ECJ-1VB1C104K..
C127		68pF, 50V, 5%.
		----- DIODES -----
D1 and D2		BAT54LT1: Sim to Motorola BAT54LT1.
D3 and D4		Not Used
D5		BAL99: Sim to Philips Semi BAL99.
D6 thru D9		BAT54LT1: Sim to Motorola BAT54LT1.
D10		Not Used.
D11 and D12		BAL99: Sim to Philips Semi BAL99.
D13 and D14		Not Used
D15		BAT54LT1: Sim to Motorola BAT54LT1.
		----- CONNECTOR -----
J1		DIN 96_ABC-R: Sim to AMP 536366-5.
		----- RELAY -----
K1 and K2		EB2-4.5S: Sim to NEC EB2-4.5.

SYMBOL	PART NUMBER	DESCRIPTION
Q1		---- TRANSISTOR ---- MMBT3904LT1: Sim to Motorola MMBT3904LT1. ---- RESISTORS ----
R1		124k Ohms: Sim to Panasonic ERJ-3EKF1243V.
R2		EXB-D10C/SM: Panasonic EXB-D10C103J
R3		Not Used.
R4		16k Ohms: Sim to Panasonic ERJ-3EKF1602V.
R5		1.21k Ohms: Sim to Panasonic ERJ-3EKF1211V.
R6		5.11k Ohms: Sim to Panasonic ERJ-3EKF5111V.
R7		1k Ohms: Sim to Panasonic ERJ-3EKF1001V.
R8		16k Ohms: Sim to Panasonic ERJ-3EKF1602V.
R9		1.21k Ohms: Sim to Panasonic ERJ-3EKF1211V.
R10		1.21k Ohms: Sim to Panasonic ERJ-3EKF1211V.
R11		1k Ohms: Sim to Panasonic ERJ-3EKF1001V
R12 and R13		Not Used.
R14		31.6k Ohms: Sim to Panasonic ERJ-3EKF3162V.
R15		0 Ohms: Sim to Panasonic ERJ-3EKF0.0V.
R16		39.2k Ohms: Sim to Panasonic ERJ-3EKF3922V.
R17		100k Ohms. Sim to Panasonic ERJ-3EKF1003V.
R18		1M Ohm: Sim to Panasonic ERJ-3EKF1004V.
R19		Not Used.
R20		1M Ohm: Sim to Panasonic ERJ-3EKF1004V.
R21		0 Ohms: Sim to Panasonic ERJ-3EKF0.0V.
R22		100k Ohms: Sim to Panasonic ERJ-3EKF1003V.
R23 and R24		Not Used.
R25		46.4k Ohms: Sim to Panasonic ERJ-3EKF4642V.
R26		0 Ohms: Sim to Panasonic ERJ-3EKF0.0V.
R27		100k Ohms: Sim to Panasonic ERJ-3EKF1003V.
R28		11k Ohms: Sim to Panasonic ERJ-3EKF1102V.
R29		1.96k Ohms: Sim to Panasonic ERJ-3EKF1961V.
R30		5.11k Ohms: Sim to Panasonic ERJ-3EKF5111V.
R31		1.1k Ohms: Sim to Panasonic ERJ-3EKF1100V.
R32		11k Ohms: Sim to Panasonic ERJ-3EKF1102V.
R33		1.96k Ohms: Sim to Panasonic ERJ-3EKF1961V.
R34		5.11k Ohms: Sim to Panasonic ERJ-3EKF5111V.
R35		1.1k Ohms: Sim to Panasonic ERJ-3EKF1100V.
R36		470 Ohms: Sim to Panasonic ERJ-3EKF4700V.

PARTS LIST

SYMBOL	PART NUMBER	DESCRIPTION
R37 and R38		1M Ohm: Sim to Panasonic ERJ-3EKF1004V.
R39		22.1k Ohms: Sim to Panasonic ERJ-3EKF2212V.
R40		20k Ohms: Sim to Panasonic ERJ-3EKF2002V.
R41		22.1k Ohms: Sim to Panasonic ERJ-3EKF2212V.
R42		Not Used.
R43		294k Ohms: Sim to Panasonic ERJ-3EKF2943V.
R44 and R45		22.1k Ohms: Sim to Panasonic ERJ-3EKF2212V.
R46		10k Ohms: Sim to Panasonic ERJ-3EKF1002V.
R47		10M Ohm: Sim to Panasonic ERJ-3EKF1005V.
R48		Not Used.
R49		10k Ohms: Sim to Panasonic ERJ-3EKF1002V.
R50		68k Ohms: Sim to Panasonic ERJ-3EKF6802V.
R51		Not Used.
R52		100k Ohms: Sim to Panasonic ERJ-3EKF1003V.
R53		10k Ohms: Sim to Panasonic ERJ-3EKF1002V.
R54		0 Ohms: Sim to Panasonic ERJ-3EKF0.0V.
R55		23.7k Ohms: Sim to Panasonic ERJ-3EKF2372V.
R56 and R57		Not Used.
R58		47k Ohms: Sim to Panasonic ERJ-3EKF4702V.
R59 and R60		10k Ohms: Sim to Panasonic ERJ-3EKF1002V.
R61 and R62		0 Ohms: Sim to Panasonic ERJ-3EKF0.0V.
R63		20k Ohms: Sim to Panasonic ERJ-3EKF2002V.
R64		Not Used.
R65		60.4k Ohms: Sim to Panasonic ERJ-3EKF6042V.
R66		Not Used.
R67		1k Ohms: Sim to Panasonic ERJ-3EKF1001V.
R68		4.7k Ohms: Sim to Panasonic ERJ-3EKF4701V.
R69		0 Ohms: Sim to Panasonic ERJ-3EKF0.0V.
R70 and R71		Not Used.

SYMBOL	PART NUMBER	DESCRIPTION
R72 thru R74		22.1k Ohms: Sim to Panasonic ERJ-3EKF2212V.
R75 thru R77		Not Used.
R78 and R79		10k Ohms: Sim to Panasonic ERJ-3EKF1002V.
R80 thru R83		Not Used.
R84		0 Ohms: Sim to Panasonic ERJ-3EKF0.0V.
R85 and R86		Not Used.
R87		18k Ohms: Sim to Panasonic ERJ-3EKF1802V.
R88		0 Ohms: Sim to Panasonic ERJ-3EKF0.0V.
R89		32.4k Ohms: Sim to Panasonic ERJ-3EKF3242V.
R90		Not Used.
R91		82.5k Ohms: Sim to Panasonic ERJ-3EKF8252V.
R92 thru R94		Not Used.
R95		221k Ohms: Sim to Panasonic ERJ-3EKF2213V.
R96		Not Used.
R97		10k Ohms: Sim to Panasonic ERJ-3EKF1002V.
R98		82.5k Ohms: Sim to Panasonic ERJ-3EKF8252V.
R99		10k Ohms: Sim to Panasonic ERJ-3EKF1002V.
R100 thru R102		Not Used.
R103 and R104		4.7k Ohms: Sim to Panasonic ERJ-3EKF4701V.
R105 thru R108		470 Ohms: Sim to Panasonic ERJ-3EKF4700V.
R109 thru R111		Not Used.
R112		4.7k Ohms: Sim to Panasonic ERJ-3EKF4701V.
R113		10 Ohms: Sim to Panasonic ERJ-3EKF10R0V.
R114		0 Ohms: Sim to Panasonic ERJ-8ENF0.0V.

PARTS LIST

SYMBOL	PART NUMBER	DESCRIPTION
R115 thru R118		Not Used.
R119 and R120		0 Ohms: Sim to Panasonic ERJ-8ENF0.0V.
R121		20k Ohms: Sim to Panasonic ERJ-3EKF2002V.
R122		39.2k Ohms: Sim to Panasonic ERJ-3EKF3922V.
R123 and R124		51.1k Ohms: Sim to Panasonic ERJ-3EKF5112V.
R125		39.2k Ohms: Sim to Panasonic ERJ-3EKF3922V.
R126		332k Ohms: Sim to Panasonic ERJ-3EKF3323V.
R127		EXB-D10C/SM: Sim to Panasonic EXB-D10C103J.
R128 thru R130		0 Ohms: Sim to Panasonic ERJ-8ENF0.0V.
R131		10M Ohms: Sim to Panasonic ERJ-3EKF1005V.
R132		0 Ohms: Sim to Panasonic ERJ-8ENF0.0V.
R133		Not Used
R134 thru R136		0 Ohms: Sim to Panasonic ERJ-8ENF0.0V.
R137 thru R151		Not Used.
R152		100k Ohms: Sim to Panasonic ERJ-3EKF1003V.
R153		100k Ohms: Sim to Panasonic ERJ-3EKF1003V.
		---- TEST POINTS ----
TP32 and TP33		T POINT R: Sim to Components Corp. TP-107-01.
		---- INTEGRATED CIRCUITS ----
U1		Not Used.
U2		MC79M05 SM/_DPAKMTD Motorola MC79M05BT.
U3		MC74HC393A SOG.050/14/WG.244/L.350 Motorola MC74HC393AD.
U4		PCF8575_P SOG.65M/24/WG8.20/L8.25 Philips Semi PCF8575CTS.
U5		MC33074 SOG.050/14/WG.244/L.350 Motorola MC33074D
U6		MC33074 SOG.050/14/WG.244/L.350 Motorola MC33074D.
U7		MAX4508/SO SOG.050/16/WG.244/L.400 Maxim MAX4508ESE.

SYMBOL	PART NUMBER	DESCRIPTION
U8		DS1803-010 SOG.050/16/WG.244/L.400 Dallas DS1803Z-010.
U9		DG419DY SOG.050/8/WG.244/L.200 Maxim DG419DY
U10		MC33074 SOG.050/14/WG.244/L.350 Motorola MC33074D
U11		MAX292/SO SOG.050/8/WG.244/L.200 Maxim MAX292ESA.
U12		LM393 SOG.050/8/WG.244/L.200 Motorola LM393D
U13		Not Used.
U14		MAX294/SO SOG.050/16/WG.420/L.425 Maxim MAX294EWE.
U15		MC33072 SOG.050/8/WG.244/L.200 Motorola MC33072D.
U16		LTC1067/SO SOG.050/16/WG.244/L.400 Linear Tech LTC1067IS.
U17		MC33072 SOG.050/8/WG.244/L.200 Motorola MC33072D.
U18		DG419DY SOG.050/8/WG.244/L.200 Maxim DG419DY.
U19		MC33072 SOG.050/8/WG.244/L.200 Motorola MC33072D.
U20		MAX294/SO SOG.050/16/WG.420/L.425 Maxim MAX294EWE.
U21		Not Used.
U22		DG419DY SOG.050/8/WG.244/L.200 Maxim DG419DY.
U23		PCF8591T_1 SOG.050/16/WG.420/L.400 Philips Semi PCF8591TD.
U24		MAX232AESE SOG.050/16/WG.244/L.400 Maxim MAX232AESE.
U25		LTC486/SO SOG.050/16/WG.420/L.425 Linear Tech LTC486IS.
U26		LTC489/SO SOG.050/16/WG.420/L.425 Linear Tech LTC489IS.
U27		SN75451B/SO SOG.050/8/WG.244/L.200 TI SN75451BD.
U28		MC33072 SOG.050/8/WG.244/L.200 Motorola MC33072D
U29 and U30		Not Used.
U31		MAX4534 SOG.050/14/WG.244/L.350 Maxim MAX4534ESD.

PARTS LIST

SYMBOL	PART NUMBER	DESCRIPTION
U32		MC14069UB SOG.050/14/WG.244/L.350 Motorola MC14069UBDR2.
U33		LM393 SOG.050/8/WG.244/L.200 Motorola LM393D.
U34		AT24C128N-10SC-2.7 SOG.050/8/WG.244/L.200 Atmel AT24C128N-10SC-2.7.
Y1		----- REFERENCE OSCILLATOR ----- 400 kHz: Sim to STATEK_CX-3V-SM Statek CX- 3V-SM1-400.0K C/C.
A5	PS-PS101328V1	POWER SUPPLY +5.1V, +12V, -12V: sim to CONDOR DP1719
A6	EA101227V1	DISPLAY MODULE
1	FM101082V1	Display Cover
2	FM101082V2	Spacer Plate.
3	AG101230V1	Display Lens.
4	FM101082V3	Display Lens Keeper.
	AR-FM101082V1	Display Mkg Artwork.
A6-A1	CB101077V1	Display Board Assembly
		----- CAPACITORS -----
C1		0.1µF: sim to Panasonic ECJ-1VB1C104K.
C2		0.01µF: sim to Panasonic ECJ-1VB1C103K.
C3		22µF: sim to Sprague 293D226X9016D2T.
C4		0.01µF: sim to Panasonic ECJ-1VB1C103K.
C5		0.1µF: sim to Panasonic ECJ-1VB1C104K.
		----- DIODE -----
D1		POWER ON: sim to LUMEX SSS-LX5093GD-0.150".
		----- RESISTORS -----
R1		300 Ohms: sim to Panasonic ERJ-6ENF3010.
R2 thru R17		10k Ohms: sim to Panasonic ERJ-3EKF1002.
R18		19.6k Ohms: sim to Panasonic 3EKF1962.
R19 thru R21		0 Ohms: sim to PHYCOMP 9C06031AOR00JLHFT.
R22		300 Ohms: sim to Panasonic ERJ-6ENF3010.
		----- INTEGRATED CIRCUITS -----
U1		8-Character smart display: sim to SIEMENS HDSP2112S.
U2		Remote 16-bit I/O expander for I ² C-bus: sim to Philips PCF8575TS.
A6-W1	CA101222V1	Cable

SYMBOL	PART NUMBER	DESCRIPTION
A7*	RYTUZ 921 01/1	ROCKWELL MODEM ASSEMBLY

* Rockwell Modem Assembly RYTUZ 921 01/1 is being replaced with Modem Assembly CB101088V1.