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Embedded Computer Systems

LTR	Description of Change	Date	Approval
2	Initial Release	03/22/02	HW
A	Incoprorated ECN 111-800322	09/30/02	HW

**Outstanding ECNs:**

ECN	Date	Description of Change
111-800421	4/10/03	A1
111-800524	4/16/03	A2
111-800640A	1-29-04	
111-800890	03-28-05	
111-801053	12-20-05	

**Bill of Materials**  
**Bitsy Ethernet Connector Board**

Project Engineer Cristiano Miani <i>Cristiano Miani</i>	Date 9/30/02	Manufacturing Robert Davis <i>Robert Davis</i>	Date 10/3/02
Configuration Manager Heather Wilson <i>Heather Wilson</i>	Date 11/30/02	Director of Engineering Alain G. Philippe <i>AGP</i>	Date 10/11/02

ADS Proprietary 621111-8002 A

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Item	Ref Des	Part Number	Description	Side
1	B3	390000-00007	Battery, 3V Coin,12.5mm 48mA, Lithium, Rechargeable, Panasonic BR1225A-FA	TOP
2	C1	C00001-00004	CAP, .1uF, 50V, CER, 0603, PANASONIC ECJ-1VF1H104Z,	BOT
3	C10	C00001-00004	CAP, .1uF, 50V, CER, 0603, PANASONIC ECJ-1VF1H104Z,	BOT
4	C11	C00001-00004	CAP, .1uF, 50V, CER, 0603, PANASONIC ECJ-1VF1H104Z,	BOT
5	C12	C00121-00023	CAP, 100UF 10V 20% 7343, D, PANASONIC ECS-T1AD107R, KEMET#T491D107M010AS	BOT
6	C13	C00001-00004	CAP, .1uF, 50V, CER, 0603, PANASONIC ECJ-1VF1H104Z,	BOT
7	C14	C00001-00004	CAP, .1uF, 50V, CER, 0603, PANASONIC ECJ-1VF1H104Z,	BOT
8	C15	C00001-00004	CAP, .1uF, 50V, CER, 0603, PANASONIC ECJ-1VF1H104Z,	BOT
9	C16	C00001-00105	CAP, 1uF, 10V, Y5V, 0603, KEMET#C0603C105K4RAC, PANASONIC ECJ-1VF1A105Z	BOT
10	C17	C00001-00004	CAP, .1uF, 50V, CER, 0603, PANASONIC ECJ-1VF1H104Z,	BOT
11	C18	C00001-00004	CAP, .1uF, 50V, CER, 0603, PANASONIC ECJ-1VF1H104Z,	BOT
12	C19	C00121-00009	CAP 1.0UF 16V, A, TAN.TE 20%, #TCMID105AT,TAJF105MO16R, KEMET# T491A105M016AS	BOT
13	C2	C00121-00023	CAP, 100UF 10V 20% 7343, D, PANASONIC ECS-T1AD107R, KEMET#T491D107M010AS	TOP
14	C20	C00001-00004	CAP, .1uF, 50V, CER, 0603, PANASONIC ECJ-1VF1H104Z,	BOT
15	C22	C00121-00038	CAP, 100UF 20V 20% 7343, D, KEMET# T491D107M020AS,	BOT
16	C23	C00001-00103	CAP, 0.01uF, 16V, 10%, 0603, PANASONIC ECJ-1VB1C103K, KEMET#C0603C103K4RACTU	BOT
17	C24	C00021-00025	CAP, .001uF, 50V, 10%, 0603, PANASONIC ECU-V1H102KBV, KEMET#C0603C102K5RAC	BOT
18	C3	C00121-00023	CAP, 100UF 10V 20% 7343, D, PANASONIC ECS-T1AD107R, KEMET#T491D107M010AS	TOP
19	C32	C00001-00103	CAP, 0.01uF, 16V, 10%, 0603, PANASONIC ECJ-1VB1C103K, KEMET#C0603C103K4RACTU	BOT
20	C34	C00021-00032	CAP, 2.2UF, 16V, 20%, 0805, PANASONIC #ECJ-2YF1C225Z,	TOP
21	C35	C00001-00004	CAP, .1uF, 50V, CER, 0603, PANASONIC ECJ-1VF1H104Z,	BOT
22	C36	C00121-00331	CAP, 330UF,6.3V, D Case, Alum Electrolytic, PANASONIC ECE-V0JA331P	TOP
23	C37	C00121-00331	CAP, 330UF,6.3V, D Case, Alum Electrolytic, PANASONIC ECE-V0JA331P	TOP
24	C4	C00001-00004	CAP, .1uF, 50V, CER, 0603, PANASONIC ECJ-1VF1H104Z,	BOT
25	C40	C00121-00015	CAP 10uF 6.3V 20% B CAS TAN, SPRAGUE#293D106X06R3B2W, KEMET#T491B106M006AS OR K006	BOT
26	C41	C00121-00023	CAP, 100UF 10V 20% 7343, D, PANASONIC ECS-T1AD107R, KEMET#T491D107M010AS	BOT

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Item	Ref Des	Part Number	Description	Side
27	C5	C00121-00001	CAP 10UF 16V B-CASE TANT 20%, TE SERIES PAN# ECS-T1CX106R, SPRAGUE#293D106X9016B2T	BOT
28	C6	C00001-00004	CAP, .1uF, 50V, CER, 0603, PANASONIC ECJ-1VF1H104Z,	BOT
29	C7	C00001-00004	CAP, .1uF, 50V, CER, 0603, PANASONIC ECJ-1VF1H104Z,	BOT
30	C8	C00001-00004	CAP, .1uF, 50V, CER, 0603, PANASONIC ECJ-1VF1H104Z,	BOT
31	C9	C00001-00004	CAP, .1uF, 50V, CER, 0603, PANASONIC ECJ-1VF1H104Z,	BOT
32	D10	D00011-SB120	Diode, Schot, 1.0A, 20V, SMA, Vishay Liteon#B120, Diodes Incorporated B120	BOT
33	D3	D00011-SB320	Diode, Schot, 3.0A, 20V, SMC, Diodes Inc. or Liteon B320,	BOT
34	D5	220101-00002	Led, green gull wing, smt, No header/trailer, PANASONIC# LN1361C	TOP
35	D6	D00141-00002	TVS Diode Array, 2.9V., Rail Clamp, Semtech SR2.8	BOT
36	D7	D00141-00002	TVS Diode Array, 2.9V., Rail Clamp, Semtech SR2.8	BOT
37	D8	D00011-SB120	Diode, Schot, 1.0A, 20V, SMA, Vishay Liteon#B120, Diodes Incorporated B120	BOT
38	D9	220101-00002	Led, green gull wing, smt, No header/trailer, PANASONIC# LN1361C	TOP
39	F1	430000-20007	Fuse, .35A, 6V, SMD, RAYCHEM # MICROSM035-2,	TOP
40	F2	430000-00001	Fuse, Resettable, 1.85A, Smd, Raychem SMD185,	BOT
41	J1	210050-02178	Socket Strp, 2X17, Raised 2mm, Double Row, Thru Hole, Samtec ASP-102061-01	BOT
42	J10	210050-02258	Socket Strp, 2X25, Raised 2mm, Double Row, Thru Hole, Samtec ASP-102061-02	BOT
43	J11	210070-00061	Connector, USB, Receptacle,, R.A., Type B, 4 Pos, BLK, AMP #787780-1	TOP
44	J12	210061-01071	Header, 7 Pos, Rt angle, SMD, MOLEX 53261-0790,	TOP
45	J13	210060-02174	Header, 2X17, Shrd .Ver, 100, SAMTEC #TST-117-01-G-D, ADAM#BHR34VSGA FOXCN#HL07171	TOP
46	J14	210060-01023	Header, 2 Pos .100, Rtriangle, MOLEX #22-05-3021, AMP# 640457-2	TOP
47	J16	210060-01033	Header 3 Pos .100, Rt angle, MOLEX #22-05-3031, AMP# 640457-3	TOP
48	J18	210060-02058	Header, 2X5, 2mm, Shrded, TH, Double Row, Thru Hole, Samtec #STMM-105-01-T-D	TOP
49	J20	210060-02058	Header, 2X5, 2mm, Shrded, TH, Double Row, Thru Hole, Samtec #STMM-105-01-T-D	TOP
50	J22	210060-02058	Header, 2X5, 2mm, Shrded, TH, Double Row, Thru Hole, Samtec #STMM-105-01-T-D	TOP
51	J24	210070-00161	Conn, RJ-45, 8 pos,, Dual LED, shld, Tyco (AMP) 569564-1	TOP
52	J3	210050-02258	Socket Strp, 2X25, Raised 2mm, Double Row, Thru Hole, Samtec ASP-102061-02	BOT

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Item	Ref Des	Part Number	Description	Side
53	J31	210060-02158	Header, 2X15, 2mm, Shrded,TH, Double Row, Thru Hole, Samtec #STMM-115-02-T-D	TOP
54	J34	210060-01023	Header, 2 Pos .100, Rtriangle, MOLEX #22-05-3021, AMP# 640457-2	TOP
55	J36	210060-01023	Header, 2 Pos .100, Rtriangle, MOLEX #22-05-3021, AMP# 640457-2	TOP
56	J37	210070-00098	Con USB Master, Single, Type A, AMP 787616-1	TOP
57	J43	210060-01053	Header, 5 Pin, Rt angle .100, Friction Lock, MOLEX 22-05-3051	TOP
58	J44	210070-00089	Con, Jack, Single Stereo,, 3.5mm, T.H., Switchcraft 35RAPC4BHN2	TOP
59	J45	210070-00089	Con, Jack, Single Stereo,, 3.5mm, T.H., Switchcraft 35RAPC4BHN2	TOP
60	J5	210070-00074	Recept Mini Din 6Pos, Rt ang, Singatron ENTPRS#MDJ-004-6P, Singatron 2MJ-0004A110	TOP
61	J6	210060-01023	Header, 2 Pos .100, Rtriangle, MOLEX #22-05-3021, AMP# 640457-2	TOP
62	J7	210060-01033	Header 3 Pos .100, Rt angle, MOLEX #22-05-3031, AMP# 640457-3	TOP
63	J9	210050-02258	Socket Strp, 2X25, Raised 2mm, Double Row, Thru Hole, Samtec ASP-102061-02	BOT
64	JP2	210060-01028	Header, 1X2, 2mm, Ver, TH, COMMCON#2802-02T, Flr Stk SAMTC#TMM-102-03-T-S	TOP
65	JP3	210060-01028	Header, 1X2, 2mm, Ver, TH, COMMCON#2802-02T, Flr Stk SAMTC#TMM-102-03-T-S	TOP
66	JP4	210060-01038	Header, 1X3, 2mm, Ver, TH, SAMTEC# TMM-103-03-T-S, BUY&BREAK FROM 210060-01508	TOP
67	JP5	210060-01038	Header, 1X3, 2mm, Ver, TH, SAMTEC# TMM-103-03-T-S, BUY&BREAK FROM 210060-01508	TOP
68	JP6	210060-01038	Header, 1X3, 2mm, Ver, TH, SAMTEC# TMM-103-03-T-S, BUY&BREAK FROM 210060-01508	TOP
69	JP7	210060-01038	Header, 1X3, 2mm, Ver, TH, SAMTEC# TMM-103-03-T-S, BUY&BREAK FROM 210060-01508	TOP
70	JP8	210060-02047	Header, 2X4, 2mm, Ver, TH, Double Row,Thru Hole, Samtec #TMM-104-03-T-D	TOP
71	L1	L00001-00010	Inductor, Fer.Bead, 120mhz, 0805-EMI SUP FTR 2.5mil pitc, MURATA #BLM21A121SPT	BOT
72	L10	L00001-00010	Inductor, Fer.Bead, 120mhz, 0805-EMI SUP FTR 2.5mil pitc, MURATA #BLM21A121SPT	BOT
73	L11	L00001-00010	Inductor, Fer.Bead, 120mhz, 0805-EMI SUP FTR 2.5mil pitc, MURATA #BLM21A121SPT	BOT
74	L12	L00000-00012	Filter, Emi, L/C Ckt 1000PF, THT DUAL IND. W/CAP, PANASONIC EXC-EMT102BT	TOP
75	L13	L00000-00012	Filter, Emi, L/C Ckt 1000PF, THT DUAL IND. W/CAP, PANASONIC EXC-EMT102BT	TOP
76	L14	L00001-00010	Inductor, Fer.Bead, 120mhz, 0805-EMI SUP FTR 2.5mil pitc, MURATA #BLM21A121SPT	BOT
77	L15	L00001-00010	Inductor, Fer.Bead, 120mhz, 0805-EMI SUP FTR 2.5mil pitc, MURATA #BLM21A121SPT	BOT
78	L2	L00001-00010	Inductor, Fer.Bead, 120mhz, 0805-EMI SUP FTR 2.5mil pitc, MURATA #BLM21A121SPT	BOT

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Item	Ref Des	Part Number	Description	Side
79	L3	L00001-00010	Inductor, Fer.Bead, 120mhz, 0805-EMI SUP FTR 2.5mil pitc, MURATA #BLM21A121SPT	BOT
80	L4	L00001-00010	Inductor, Fer.Bead, 120mhz, 0805-EMI SUP FTR 2.5mil pitc, MURATA #BLM21A121SPT	BOT
81	L5	L00001-00010	Inductor, Fer.Bead, 120mhz, 0805-EMI SUP FTR 2.5mil pitc, MURATA #BLM21A121SPT	BOT
82	L6	L00001-00012	Inductor Array, EMI Supp., 4 Dev, ACA3216 Ser, SMD,, TDK #ACA3216M4-060-T	BOT
83	L7	L00001-00010	Inductor, Fer.Bead, 120mhz, 0805-EMI SUP FTR 2.5mil pitc, MURATA #BLM21A121SPT	BOT
84	L8	L00001-00010	Inductor, Fer.Bead, 120mhz, 0805-EMI SUP FTR 2.5mil pitc, MURATA #BLM21A121SPT	BOT
85	L9	L00001-00009	Inductor, Bead core, 25OHM, SMT 3.2mm X 1.6 mm, PANASONIC P/N EXC-CL3216U1	BOT
86	PWB1	170111-8000A	PWB, Bitsy Conn Board REV A, ,	
87	Q11	Q00221-S0531	Trans, n chan, fet 30V 1.2A, SOT-23, Fairchild #NDS351AN	TOP
88	Q14	Q00221-S0531	Trans, n chan, fet 30V 1.2A, SOT-23, Fairchild #NDS351AN	BOT
89	Q15	Q00221-S0531	Trans, n chan, fet 30V 1.2A, SOT-23, Fairchild #NDS351AN	BOT
90	Q16	Q00221-S0531	Trans, n chan, fet 30V 1.2A, SOT-23, Fairchild #NDS351AN	TOP
91	Q17	Q00221-S0531	Trans, n chan, fet 30V 1.2A, SOT-23, Fairchild #NDS351AN	TOP
92	Q18	Q00231-S0340	Trans, mosfet P-chan, snl, Fairchild FDN340P,	TOP
93	Q19	Q00231-S0340	Trans, mosfet P-chan, snl, Fairchild FDN340P,	BOT
94	Q2	Q00221-S0531	Trans, n chan, fet 30V 1.2A, SOT-23, Fairchild #NDS351AN	BOT
95	Q3	Q00221-S0531	Trans, n chan, fet 30V 1.2A, SOT-23, Fairchild #NDS351AN	BOT
96	Q5	Q00201-S0951	Trans, pnp 60V SOT223, [ZETEX INC. P/N FZT951TA,	BOT
97	Q7	Q00231-S0340	Trans, mosfet P-chan, snl, Fairchild FDN340P,	TOP
98	Q8	Q00231-S0340	Trans, mosfet P-chan, snl, Fairchild FDN340P,	TOP
99	Q9	Q00221-S0531	Trans, n chan, fet 30V 1.2A, SOT-23, Fairchild #NDS351AN	TOP
100	R1	R00011-00103	Res, 10K, 5% 1/16W 0603, DALE#CRCW0603103JRT1, PAN ERJ-3GSYJ103	BOT
101	R10	R00011-00103	Res, 10K, 5% 1/16W 0603, DALE#CRCW0603103JRT1, PAN ERJ-3GSYJ103	BOT
102	R100	R00011-00103	Res, 10K, 5% 1/16W 0603, DALE#CRCW0603103JRT1, PAN ERJ-3GSYJ103	BOT
103	R101	R00011-00104	Res, 100K, 5%, 1/16W,0603, PANASONIC#ERJ-3GSYJ104, DALE#CRCW0603104JRT1	BOT
104	R102	R00211-00202	Res, 2.0K, 5%, 1/8W, 1206, DALE#CRCW1206202JRTI,	BOT

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Item	Ref Des	Part Number	Description	Side
105	R103	R00011-00473	Res, 47K, 5%, 1/16W, 0603, PANASONIC# ERJ-3GSYJ473, KOA#RM73B1J473JT	BOT
106	R104	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
107	R105	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
108	R106	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
109	R107	R00011-00473	Res, 47K, 5%, 1/16W, 0603, PANASONIC# ERJ-3GSYJ473, KOA#RM73B1J473JT	BOT
110	R108	R00011-00473	Res, 47K, 5%, 1/16W, 0603, PANASONIC# ERJ-3GSYJ473, KOA#RM73B1J473JT	BOT
111	R11	R00011-00103	Res, 10K, 5% 1/16W 0603, DALE#CRCW0603103JRT1, PAN ERJ-3GSYJ103	BOT
112	R12	R00011-00104	Res, 100K, 5%, 1/16W,0603, PANASONIC#ERJ-3GSYJ104, DALE#CRCW0603104JRT1	BOT
113	R13	R00211-00750	Res, 75, 5%, 1/8W, 1206, DALE#CRCW1206750JRT1, CAL-CHIP# [RM12J750CT]	BOT
114	R15	R00211-00750	Res, 75, 5%, 1/8W, 1206, DALE#CRCW1206750JRT1, CAL-CHIP# [RM12J750CT]	BOT
115	R17	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
116	R18	R00021-01102	Res, 11K, 1%, 1/16W, 0603, PANASONIC # ERJ-3EKF1102,	BOT
117	R20	R00211-00510	Res, 51, 5%, 1/8W, 1206, DALE#CRCW1206510JT1, (MOUSER P/N ME263-51)	BOT
118	R21	R00211-00510	Res, 51, 5%, 1/8W, 1206, DALE#CRCW1206510JT1, (MOUSER P/N ME263-51)	BOT
119	R23	R00221-024R9	Res, 24.9, 1%, 1/8W, 1206, PANASONIC ERJ-8ENF24R9V,	BOT
120	R24	R00221-024R9	Res, 24.9, 1%, 1/8W, 1206, PANASONIC ERJ-8ENF24R9V,	BOT
121	R25	R00211-00750	Res, 75, 5%, 1/8W, 1206, DALE#CRCW1206750JRT1, CAL-CHIP# [RM12J750CT]	BOT
122	R29	R00011-00473	Res, 47K, 5%, 1/16W, 0603, PANASONIC# ERJ-3GSYJ473, KOA#RM73B1J473JT	BOT
123	R3	R00011-00103	Res, 10K, 5% 1/16W 0603, DALE#CRCW0603103JRT1, PAN ERJ-3GSYJ103	BOT
124	R43	R00011-00473	Res, 47K, 5%, 1/16W, 0603, PANASONIC# ERJ-3GSYJ473, KOA#RM73B1J473JT	BOT
125	R46	R00011-00104	Res, 100K, 5%, 1/16W,0603, PANASONIC#ERJ-3GSYJ104, DALE#CRCW0603104JRT1	BOT
126	R47	R00011-00104	Res, 100K, 5%, 1/16W,0603, PANASONIC#ERJ-3GSYJ104, DALE#CRCW0603104JRT1	BOT
127	R48	R00011-00104	Res, 100K, 5%, 1/16W,0603, PANASONIC#ERJ-3GSYJ104, DALE#CRCW0603104JRT1	BOT
128	R49	R00011-00104	Res, 100K, 5%, 1/16W,0603, PANASONIC#ERJ-3GSYJ104, DALE#CRCW0603104JRT1	BOT
129	R5	R00011-00100	Res, 10, 5%, 1/16W, 0603, DALE#CRCW0603100JRT1, PAN ERJ-3GSYJ100	BOT
130	R52	R00011-00103	Res, 10K, 5% 1/16W 0603, DALE#CRCW0603103JRT1, PAN ERJ-3GSYJ103	BOT

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131	R53	R00221-024R9	Res, 24.9, 1%, 1/8W, 1206, PANASONIC ERJ-8ENF24R9V,	BOT
132	R54	R00221-024R9	Res, 24.9, 1%, 1/8W, 1206, PANASONIC ERJ-8ENF24R9V,	BOT
133	R55	R00211-00000	Res, 0 OHM 1/8W 5% 1206, PANERJ-8GEY0R00V KOARM73ZBT, DALE#CRCW1206-0000RTI	BOT
134	R58	R00011-00152	Res 1.5K, 5% 1/16W, 0603, DALE #CRCW0603152JRT1, PANASONIC #ERJ-3GSYJ152	BOT
135	R63	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
136	R64	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
137	R65	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
138	R66	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
139	R67	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
140	R70	R00011-00474	Res, 470K, 5%, 1/16W, 0603, PANASONIC# ERJ-3GSYJ474, KOA#RM73B1J474JT	BOT
141	R71	R00011-00201	Res, 200 OHM, 5%,1/16W, 0603, PANASONIC #ERJ-3GSYJ201, DALE #CRCW0603201JRT1	BOT
142	R72	R00011-00102	Res, 1K, 5%, 1/16W, 0603, DALE#CRCW0603102JRT1, PAN ERJ-3GSYJ102V	BOT
143	R73	R00011-00102	Res, 1K, 5%, 1/16W, 0603, DALE#CRCW0603102JRT1, PAN ERJ-3GSYJ102V	BOT
144	R74	R00011-00103	Res, 10K, 5% 1/16W 0603, DALE#CRCW0603103JRT1, PAN ERJ-3GSYJ103	TOP
145	R77	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
146	R78	R00421-001R0	Res, 1.0, 1/2W, 5%, 2010,, PANASONIC ERJ-12ZQJ1R0U,	BOT
147	R79	R00421-001R0	Res, 1.0, 1/2W, 5%, 2010,, PANASONIC ERJ-12ZQJ1R0U,	BOT
148	R8	R00211-001R8	Res, 1.8 ohm, 1/8W 5% 1206,, PANASONIC #ERJ-8GEYJ1R8,	BOT
149	R80	R00221-00R22	Res, 22, 1/8W, 1%, 1206, PANASONIC ERJ-8RQFR22V,	BOT
150	R81	R00011-00104	Res, 100K, 5%, 1/16W,0603, PANASONIC#ERJ-3GSYJ104, DALE#CRCW0603104JRT1	BOT
151	R82	R00011-00102	Res, 1K, 5%, 1/16W, 0603, DALE#CRCW0603102JRT1, PAN ERJ-3GSYJ102V	BOT
152	R83	R00011-00104	Res, 100K, 5%, 1/16W,0603, PANASONIC#ERJ-3GSYJ104, DALE#CRCW0603104JRT1	BOT
153	R84	R00011-00103	Res, 10K, 5% 1/16W 0603, DALE#CRCW0603103JRT1, PAN ERJ-3GSYJ103	BOT
154	R86	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
155	R87	R00011-00102	Res, 1K, 5%, 1/16W, 0603, DALE#CRCW0603102JRT1, PAN ERJ-3GSYJ102V	BOT
156	R88	R00011-00102	Res, 1K, 5%, 1/16W, 0603, DALE#CRCW0603102JRT1, PAN ERJ-3GSYJ102V	BOT

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Item	Ref Des	Part Number	Description	Side
157	R89	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
158	R9	R00211-001R8	Res, 1.8 ohm, 1/8W 5% 1206,, PANASONIC #ERJ-8GEYJ1R8,	BOT
159	R90	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
160	R91	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
161	R92	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
162	R93	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
163	R94	R00011-00000	Res. 0 OHM, 5%, 1/10W, 0603, DALE CRCW0603-0000RT1, PANASONIC ERJ-3GSY0R00V	BOT
164	R95	R00011-00103	Res, 10K, 5% 1/16W 0603, DALE#CRCW0603103JRT1, PAN ERJ-3GSYJ103	BOT
165	R96	R00011-00103	Res, 10K, 5% 1/16W 0603, DALE#CRCW0603103JRT1, PAN ERJ-3GSYJ103	BOT
166	R97	R00011-00104	Res, 100K, 5%, 1/16W,0603, PANASONIC#ERJ-3GSYJ104, DALE#CRCW0603104JRT1	TOP
167	R98	R00011-00473	Res, 47K, 5%, 1/16W, 0603, PANASONIC# ERJ-3GSYJ473, KOA#RM73B1J473JT	TOP
168	R99	R00011-00103	Res, 10K, 5% 1/16W 0603, DALE#CRCW0603103JRT1, PAN ERJ-3GSYJ103	BOT
169	RP10	R00831-00470	Rnwk, 47, 8P, 4R, Isltd, Smt, CTS 742C083470J,	TOP
170	RP11	R00831-00470	Rnwk, 47, 8P, 4R, Isltd, Smt, CTS 742C083470J,	TOP
171	RP2	R00821-00103	Rnwk, 10K, 10P, 8R, Bus, Smt, CTS#745C101103J, PANASONIC EXB-A10P103J	BOT
172	RP3	R00831-00103	Rnwk, 10K, 8P, 4R Isltd, Smt, CTS#742C083103J, BOURNS#CAT16-103J4	TOP
173	RP4	R00821-00103	Rnwk, 10K, 10P, 8R, Bus, Smt, CTS#745C101103J, PANASONIC EXB-A10P103J	TOP
174	RP5	R00821-00103	Rnwk, 10K, 10P, 8R, Bus, Smt, CTS#745C101103J, PANASONIC EXB-A10P103J	TOP
175	RP6	R00831-00470	Rnwk, 47, 8P, 4R, Isltd, Smt, CTS 742C083470J,	TOP
176	RP7	R00831-00470	Rnwk, 47, 8P, 4R, Isltd, Smt, CTS 742C083470J,	TOP
177	RP8	R00831-00470	Rnwk, 47, 8P, 4R, Isltd, Smt, CTS 742C083470J,	TOP
178	RP9	R00831-00470	Rnwk, 47, 8P, 4R, Isltd, Smt, CTS 742C083470J,	TOP
179	SH10	210070-00075	Shunt, 2 Pos, 2mm, Samtec 2SN-BK-G JMC#119263, SPECIALTY ELECTRONICS#2JM-G	
180	SH11	210070-00075	Shunt, 2 Pos, 2mm, Samtec 2SN-BK-G JMC#119263, SPECIALTY ELECTRONICS#2JM-G	
181	SH12	210070-00075	Shunt, 2 Pos, 2mm, Samtec 2SN-BK-G JMC#119263, SPECIALTY ELECTRONICS#2JM-G	
182	SH13	210070-00075	Shunt, 2 Pos, 2mm, Samtec 2SN-BK-G JMC#119263, SPECIALTY ELECTRONICS#2JM-G	

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Item	Ref Des	Part Number	Description	Side
183	SH14	210070-00075	Shunt, 2 Pos, 2mm, Samtec 2SN-BK-G JMC#119263, SPECIALTY ELECTRONICS#2JM-G	
184	SH5	210070-00075	Shunt, 2 Pos, 2mm, Samtec 2SN-BK-G JMC#119263, SPECIALTY ELECTRONICS#2JM-G	
185	SH6	210070-00075	Shunt, 2 Pos, 2mm, Samtec 2SN-BK-G JMC#119263, SPECIALTY ELECTRONICS#2JM-G	
186	SH7	210070-00075	Shunt, 2 Pos, 2mm, Samtec 2SN-BK-G JMC#119263, SPECIALTY ELECTRONICS#2JM-G	
187	SH8	210070-00075	Shunt, 2 Pos, 2mm, Samtec 2SN-BK-G JMC#119263, SPECIALTY ELECTRONICS#2JM-G	
188	SH9	210070-00075	Shunt, 2 Pos, 2mm, Samtec 2SN-BK-G JMC#119263, SPECIALTY ELECTRONICS#2JM-G	
189	SW1	510010-00009	Switch, R/A, Momentary,, Omron B3F-3120, C&K PTS645VL39	TOP
190	T1	270001-00002	IC, Transformer, Ethernet, 10/100 Base-T, SMD, Pulse H1112	TOP
191	U1	U00471-00050	IC, Switch, Dual High Side,, Soic-8, Micrel #MIC2506-BM	TOP
192	U10	U00471-00037	IC, Supervisory Chp 2.7v LOW, SOT-23-3, Microchip MCP809T-270I/TT	TOP
193	U11	U00391-1G125	IC, Single Bus driver 3, +5V and +3.3V, TI #SN74AHC1G125DBVR	BOT
194	U12	U00391-1G125	IC, Single Bus driver 3, +5V and +3.3V, TI #SN74AHC1G125DBVR	BOT
195	U13	U00471-00100	IC, Battery Charger 8.4VOLTS, Texas Instruments BQ2057WTS,	BOT
196	U14	U00471-00120	IC, Suppressor, Serial Bus, TSSOP-8, USB, 3V or 5V, Texas Instr. SN75240PWR	TOP
197	U2	U00471-00031	IC, Transceiver fast Irda 5V, VISHAY-TEMIC #TFDU6101E-TR4,	TOP
198	U3	U00421-00039	IC, Ethernet Controller, 128 pin QFP, SMSC #LAN91c111-NE	TOP
199	U5	U00401-30008	IC, Serial EEPROM 3.3V, SOIC 150mil 8-Lead, Microchip P/N: 93LC46BX-I/SN	TOP
200	U6	U00471-00114	IC, Transceiver, RS-232, #-5.5V, w/shdn, TSSOP-20, Sipex SP3222ECY	TOP
201	U9	U00471-00065	IC, Regulator, 500ma, 3.3V, MICREL #MIC5219-3.3BM5,	TOP
202	X1	230101-00250	Crystal Oscillator 25MHz, 18pF Ld, CSM-7, ECS ECS-250-18-5P	TOP
203	Z2	430000-30002	Suppressor, ESD Protection, Littelfuse PGB0010603MR, Littlefuse PGB0010603NR	BOT
204	Z3	430000-30002	Suppressor, ESD Protection, Littelfuse PGB0010603MR, Littlefuse PGB0010603NR	BOT