

AIS Transponder Rx				
BOM 31047-3 rev.4				
2002-06-20				
POS	Partno.	Geom	Qty	Description
1	NAT_LP2980IM5-3.0	smd_sot23-5	1	Analog, 3.0V 50mA, National
2	TEX_TPS767D318PWP	TPS767D318PWP	1	Analog, 3V3_1V8, Texas
3	MOT_MC78M08CDT	smd_to252	1	Analog, 78M08, Motorola
4	PHI_SA606DK	smd_sot266-1	1	Analog, FM_IF_system, Philips
5	NAT_LMC7101BIM5	smd_sot23-5	5	Analog, Opamp rail to rail, National
6	PHI_UMA1018M	smd_sot266-1	1	Analog, VHF/UHF_SYNTH, Philips
7	PHI_223878016649	smd_0805	68	Capacitor, 100n, Philips, 10%
8	PHI_223886115101	smd_0805	9	Capacitor, 100p, Philips, 5%
9	PHI_223858016627	smd_0805	29	Capacitor, 10n, Philips, 10%
10	PHI_223886115109	smd_0805	4	Capacitor, 10p, Philips, 5%
11	PHI_223886115129	smd_0805	4	Capacitor, 12p, Philips, 5%
12	PHI_223886115159	smd_0805	3	Capacitor, 15p, Philips, 5%
13	PHI_223858016614	smd_0805	23	Capacitor, 1n, Philips, 10%
14	PHI_223886115108	smd_0805	4	Capacitor, 1p, Philips, 0.25p
15	MUR_GRM42_6X7R225K10PT85	smd_1206	23	Capacitor, 2.2u, Murata, 10%
16	PHI_223886115229	smd_0805	9	Capacitor, 22p, Philips, 5%
17	PHI_223886115331	smd_0805	5	Capacitor, 330p, Philips, 5%
18	PHI_223886115339	smd_0805	3	Capacitor, 33p, Philips, 5%
19	PHI_223886115338	smd_0805	3	Capacitor, 3p3, Philips, 0.25p
20	PHI_2222861x5398	smd_0805	2	Capacitor, 3p9, Philips, 0.25p
21	PHI_223886115471	smd_0805	3	Capacitor, 470p, Philips, 5%
22	PHI_223886115479	smd_0805	10	Capacitor, 47p, Philips, 5%
23	PHI_223858016623	smd_0805	5	Capacitor, 4n7, Philips, 10%
24	PHI_223886114478	smd_0805	3	Capacitor, 4p7, Philips, 0.25p
25	NC_0805_C	smd_0805	3	Capacitor, NC, none, 5%

26	HAG_09_03_378_2901	v78abc_2	1	Connector, Euro 78pin+2solder, Harting
27	2x7pin	smd_2x7pin_2.54	1	Connector, NC
28	SUH_85sma-50-0-1	sma_90deg	1	Connector, PCB_90deg, thru, Suhner
29	EVE_EL19-21UGC	smd_0603_polar	1	Diode, green, Everlight
30	EVE_EL19-21SRC	smd_0603_polar	2	Diode, red, Everlight
31	PHI_BAT54S	smd_sot23	4	Diode, Schottky, Philips
32	PHI_BBY39	smd_sot23	3	Diode, varactor_double, Philips
33	MUR_SFGCG450DX	smd_sfgcg	2	Filter, 450kHz+-10kHz, Murata
34	MUR_CFUCG450F	smd_sfgcg	2	Filter, 450kHz+-6kHz, Murata
35	MUR_SAF90.000MD40X	smd_sc511	2	Filter, 90.000MHz+-5kHz, Murata
36	COI_0805CS-101XJBC	smd_0805	5	Inductor, 100nH, Coilcraft, 5%
37	API_S1210-104K	smd_1210	3	Inductor, 100uH, API_Delevan, 10%
38	API_S1812-105K	smd_1812	2	Inductor, 1mH, API_Delevan, 10%
39	COI_0805CS-220XJBC	smd_0805	1	Inductor, 22nH, Coilcraft, 5%
40	COI_1206CS-391XJBC	smd_1206	13	Inductor, 390nH, Coilcraft, 5%
41	COI_0805CS-470XJBC	smd_0805	1	Inductor, 47nH, Coilcraft, 5%
42	API_S1210-562J	smd_1210	1	Inductor, 5.6uH, API_Delevan, 5%
43	TOK_E558ANA-100054	MC152	3	Inductor, 61nH (44NB), Toko, 20%
44	PHI_74LVC138D	smd_so16	1	logic, 3-8 decoder, Philips
45	PHI_74LVC573ADB	smd_sot339-1	3	logic, 8 bits latch, Philips
46	PHI_74HC4053D	smd_so16	2	logic, Analog switch, Philips
47	TEX_TMS320VC5402PGE100	S-PQFP-G144	1	logic, DSP fixed point, Texas
48	AD_AD9201ARS	smd_sot341-1	1	logic, Dual AD, Analog_Devices
49	PHI_74LV74D	smd_so14	3	logic, Dual flip-flop, Philips
50	PHI_74HCU04D	smd_so14	1	logic, HEX_INV_UNBUFF, Philips
51	PHI_74LV04D	smd_so14	1	logic, Hex inverter, Philips
52	PHI_74LV32D	smd_so14	1	logic, OR gate, Philips
53	NB_45027-3	box_12x16_57pin	5	Mecanix, 1.2X1.6 inc, Norbit
54	STM_M95256WMW6	smd_so8_wide	1	memory, 256byte EEPROM, STMicroelectronics
55	MCL_ADE-1H	CD636	2	Mixer, 0.5-500MHz 17dBm, Mini-Circuits
56	PHI_232273091002	smd_0805	1	Resistor, 0R, Philips, 1%
57	PHI_232273461004	smd_0805	5	Resistor, 100K, Philips, 1%
58	PHI_232273461001	smd_0805	19	Resistor, 100R, Philips, 1%
59	PHI_232273461003	smd_0805	53	Resistor, 10K, Philips, 1%
60	PHI_232273461009	smd_0805	18	Resistor, 10R, Philips, 1%
61	PHI_232273461501	smd_0805	7	Resistor, 150R, Philips, 1%
62	PHI_232273461002	smd_0805	19	Resistor, 1K, Philips, 1%
63	PHI_232273461005	smd_0805	2	Resistor, 1M, Philips, 1%

64	PHI_232273462201	smd_0805	2	Resistor, 220R, Philips, 1%
65	PHI_232273462203	smd_0805	7	Resistor, 22K, Philips, 1%
66	PHI_232273462209	smd_0805	6	Resistor, 22R, Philips, 1%
67	PHI_232273462202	smd_0805	23	Resistor, 2K2, Philips, 1%
68	PHI_232273463309	smd_0805	14	Resistor, 33R, Philips, 1%
69	PHI_232273463302	smd_0805	2	Resistor, 3K3, Philips, 1%
70	PHI_232273464701	smd_0805	5	Resistor, 470R, Philips, 1%
71	PHI_232273464703	smd_0805	7	Resistor, 47K, Philips, 1%
72	PHI_232273464709	smd_0805	15	Resistor, 47R, Philips, 1%
73	PHI_232273464702	smd_0805	3	Resistor, 4K7, Philips, 1%
74	PHI_232273466809	smd_0805	4	Resistor, 68R, Philips, 1%
75	NC_0805_R	smd_0805	4	Resistor, NC, none, x%
76	TEK_CRS06SQ300FS1	smd_CRS06_26.5 mm	1	Resonator, 300 MHz, Tekelec Temex
77	BI_23GR10KT7	smd_pot_23G	1	Rpot, 10k, BI,
78	BI_23BR10KTR	smd_pot_23G	1	Rpot, 10k, BI,
79	NB_32024	NB32024	1	transformer, 1:12,B62152-A8-X17, Norbit
80	NB_32023	NB32023	2	transformer, 1:3+5,B62152-A8-X17, Norbit
81	NB_32034	NB32025	1	transformer, 1:5+12,10/6/43F3, Norbit
82	PHI_BFR93A	smd_sot23	12	Transistor, NPN_1GHz, Philips
83	PHI_BC847B	smd_sot23	5	Transistor, NPN, Philips
84	SIE_BFP450	smd_sot343	2	Transistor, NPN, Siemens
85	TQ_TQ3330S11.0592MHz+-10/+-10	smd_HC49	1	Xtal, 11.0592MHz, Tele Quarz, 10ppm
86	TQ_TQ3330S3.6MHz	smd_HC49	1	Xtal, 3.6MHz, Tele Quarz, 50ppm
87	SIW-SX-7050_89.55MHz	smd_sx_7050	1	Xtal, 89.55MHz, Siward, +-10ppm
88	MUR_CDBC450CLX36	smd_cdbc	1	Xtal, Discriminator 450kHz, Murata, xppm
89	SAS_TOS1300VPM4DKB	smd_TOS1300	1	Xtal, VC-TCXO 13MHz, Samsung, +-2.5ppm

Ref
U27
U1
U29
U9
U3 U6 U7 U8 U28
U4
C1 C11 C12 C15 C16 C17 C18 C19 C21 C24 C25 C26 C27 C28 C29 C31 C32 C33 C35 C36 C37 C38 C49 C58 C60 C62 C63 C65 C86 C87 C90 C98 C101 C102 C105 C107 C108 C109 C110 C125 C126 C129 C131 C134 C135 C138 C141 C142 C143 C172 C173 C175 C176 C186 C189 C190 C191 C193 C197 C198 C200 C201 C204 C205 C212 C213 C217 C218
C20 C41 C76 C91 C92 C103 C119 C149 C208
C43 C51 C52 C68 C80 C99 C112 C114 C118 C121 C122 C124 C130 C146 C148 C154 C155 C158 C159 C160 C164 C169 C184 C209 C210 C211 C215 C216 C219
C120 C162 C170 C192
C163 C165 C168 C171
C75 C83 C153
C53 C57 C61 C64 C69 C72 C77 C78 C79 C82 C88 C89 C104 C115 C116 C137 C157 C178 C185 C187 C188 C202 C276
C47 C147 C166 C167
C2 C3 C4 C5 C6 C7 C8 C9 C10 C13 C14 C30 C34 C39 C40 C70 C100 C111 C117 C128 C195 C199 C207
C22 C23 C93 C94 C106 C133 C151 C152 C214
C73 C113 C156 C180 C182
C140 C145 C196
C54 C55 C194
C71 C81
C97 C144 C203
C42 C44 C45 C48 C50 C56 C66 C84 C85 C139
C59 C95 C96 C177 C179
C74 C150 C174
C46 C67 C136

J4
J3
J5
D3
D2 D4
D1 D6 D7 D10
D5 D8 D9
FI2 FI4
FI1 FI3
FI5 FI6
L4 L10 L11 L13 L15
L17 L27 L28
L16 L18
L12
L1 L3 L5 L6 L8 L9 L19 L20 L21 L22 L23 L26
L100
L7
L14
L2 L24 L25
U24
U19 U21 U22
U5 U30
U17
U23
U15 U16 U25
U14
U26
U18
M2 M3 M4 M5 m1
U20
U11 U12
R57
R22 R77 R116 R207 R208
R7 R39 R46 R51 R55 R76 R88 R89 R96 R110
R117 R133 R137 R151 R157 R158 R159 R205
R211
R6 R9 R12 R13 R17 R20 R21 R23 R24 R25
R27 R31 R33 R36 R37 R56 R62 R64 R66 R73
R79 R80 R81 R84 R85 R100 R101 R102 R103
R104 R105 R112 R113 R118 R179 R180 R186
R189 R190 R194 R195 R196 R197 R198 R199
R200 R203 R213 R215 R216 R218 R219 R223
R1 R44 R52 R58 R60 R65 R69 R71 R72 R83
R86 R91 R142 R148 R149 R174 R184 R185
R16 R32 R45 R47 R50 R90 R163
R4 R18 R35 R49 R68 R70 R93 R106 R107
R108 R153 R156 R167 R168 R170 R171 R173
R202 R217
R99 R214

R8 R42
R61 R115 R150 R201 R204 R222 R225
R75 R166 R187 R188 R206 R212
R34 R38 R63 R78 R82 R123 R126 R127 R130 R131 R132 R134 R135 R136 R138 R139 R140 R144 R145 R146 R154 R169 R172
R11 R14 R19 R26 R29 R30 R162 R175 R181 R182 R183 R191 R192 R193
R43 R92
R3 R40 R53 R94 R124
R59 R74 R143 R147 R155 R220 R224
R5 R10 R15 R41 R67 R87 R97 R109 R121 R128 R129 R152 R161 R210 R221
R160 R176 R177
R48 R54 R95 R164
R28 R114 R165 R178
X3
R111
R209
TR1
TR2 TR3
TR5
Q1 Q2 Q4 Q5 Q8 Q9 Q10 Q11 Q15 Q16 Q17 Q19
Q7 Q12 Q13 Q14 Q18
Q3 Q6
X2
X4
X8
X6
X7