

PAL-US

Bill of materials

PROPRIETARY INFORMATION

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Item	Quantity	Reference	Part
1	1	ANT1 ANTENNA	
2	22	C1, C21, C22, C26, C29, C30, C35, C39, C46, C47, C48, C52, C93, C112, C115, C126, C128, C129, C131, C132, C133, C147	1nF
3	19	C2, C3, C8, C9, C10, C23, C32, C33, C37, C61, C82, C84, C85, C89, C109, C138, C139, C175, C176	56pF
4	7	C4, C45, C64, C67, C143, C168, C178	4.7uF_6.3V
5	12	C5, D20, R33, R35, C38, C40, C54, R59, R71, R91, C99, R131	opt
6	8	C6, C60, C70, C134, C135, C149, C153, C165	330nF
7	3	C7, C42, C97	5.6pF
8	6	C11, C83, C102, C116, C170, C172	15pF
9	15	C12, C13, C24, C71, C72, C73, C94, C95, C106, C107, C117, C156, C157, C161, C177	10nF
10	37	C14, C25, C27, C36, C44, C63, C66, C69, C74, C76, C77, C79, C101, C105, C110, C125, C127, C140, C142, C144, C145, C146, C150, C151, C152, C154, C158, C159, C160, C162, C164, C166, C167, C169, C171, C173, C174	100nF
11	21	C15, C16, C34, C43, C49, C50, C51, C53, C55, C57, C78, C98, C103, C104, C108, C111, C113, C114, C136, C137, C163	100pF
12	1	C17	120pF
13	1	C18	47nF
14	3	C19, C20, C28	22pF
15	2	C31, C59	33pF

16	2	C86,C41	12pF
17	1	C56	5.6nF
18	2	C58,C155	330pF
19	1	C62	27pF
20	3	C65,C68,C141	470pF
21	1	C75	100uF_6.3V
22	2	C87,C80	0.56pF
23	1	C81	8.2pF
24	2	C121,C88	39pF
25	1	C90	2pF
26	1	C91	18pF
27	1	C92	4.3pF
28	1	C96	10pF
29	6	C100,C118,C122,C123,C124, C130	51pF
30	2	C120,C119	1pF
31	1	C148	10uF_16V
32	1	D1	7020X1
33	1	D2	MA4ST340-287
34	22	D3,D4,D7,D8,D9,D10,D11, D13,D14,D15,D16,D17,D18, D19,D21,D24,D25,D26,D27, D28,D29,D31	1SS355
35	1	D5	7020X5
36	1	D6	MA4P274ST-287
37	4	D12,D22,D23,D30	MBR0520L
38	1	FL1	RF1327
39	1	FL2	SAFC927MC70T
40	1	FL3	24.349666MHZ
41	1	FL4	CFZC455CZ
42	2	FL6,FL5	SAFC902.5MA90A-TC
43	1	J1	E.FL-R-SMT
44	1	J2	DF13B-5P-1.25V
45	1	J3	HSJ1169-011010
46	1	J4	3260B-12S
47	5	L1,L4,L10,L11,L12	120nH
48	3	L2,L9,L14	10nH
49	2	L3,L6	4.7uH
50	1	L5	12nH_ml
51	1	L7	1.5uH
52	1	L8	10uH
53	2	L13,L19	6.8nH
54	1	L15	47nH
55	2	L22,L16	68uH
56	1	L17	22nH
57	2	L18,L21	27uH
58	2	L23,L20	33nH
59	1	L24	100uH
60	4	Q1,Q2,Q3,Q10	BFG25AW/X
61	2	Q4,Q5	Si6463DQ
62	6	Q6,Q7,Q8,Q9,Q11,Q12	UMT2222A
63	5	R1,R27,R38,R60,R62	220
64	6	R2,R69,R85,R86,R87,R101	3.3
65	8	R3,R17,R25,R26,R32,R39, R48,R61	10
66	9	R4,R80,R82,R114,R116, R135,R139,R142,R146	22.1k
67	3	R5,R15,R52	51k

68	10	R6,R8,R28,R29,R30,R37, 1k R42,R127,R178,R188	
69	6	R7,R40,R50,R113,R115, 4.22k R186	
70	13	R9,R19,R20,R24,R34,R36, 100 R63,R66,R67,R100,R110, R175,R187	
71	8	R10,R11,R45,R51,R64,R95, 100k R157,R177	
72	16	R12,R14,R18,R21,R54,R65, 10k R102,R108,R109,R117,R120, R126,R137,R144,R158,R172	
73	1	R13 510k	
74	3	R16,R56,R156 2.21k	
75	3	R22,R53,R103 33	
76	4	R23,R41,R79,R81 27k	
77	6	R31,R49,R57,R99,R106, 0_Ohm R173	
78	3	R43,R97,R98 68.1k	
79	21	R44,R55,R75,R84,R93,R111, 47.5k R112,R118,R119,R125,R129, R163,R164,R165,R166,R167, R168,R169,R170,R171,R180	
80	10	R46,R104,R105,R107,R124, 825k R130,R133,R148,R155,R181	
81	1	R47 310k	
82	1	R58 0_Ohm_0603	
83	2	R78,R68 82	
84	1	R70 2.49k	
85	1	R72 6.49k	
86	6	R73,R176,R182,R183,R184, 560 R185	
87	1	R74 330	
88	1	R76 1.69k	
89	1	R77 11.8k	
90	1	R83 1.07k	
91	1	R88 17.4k	
92	3	R89,R94,R96 33.2k	
93	1	R90 1.27k	
94	1	R92 150k	
95	7	R121,R122,R123,R128,R132, 300K R174,R179	
96	4	R134,R140,R141,R147 82.5k	
97	4	R136,R138,R143,R145 12.1k	
98	2	R154,R149 61.9k	
99	2	R153,R150 18.2k	
100	2	R152,R151 11k	
101	4	R159,R160,R161,R162 390	
102	1	SP1 BFT-03S	
103	2	SW1,SW2 KT11P3SA1M	
104	14	TIT1,TIT3,TIT5,TIT7,TIT9, Information TIT11,TIT13,TIT15,TIT17, TIT19,TIT21,TIT25,TIT27, TIT29	
105	14	TIT2,TIT4,TIT6,TIT8, Upper TIT10,TIT12,TIT14,TIT16, TIT18,TIT20,TIT22,TIT26,	

		TIT28, TIT30
106	1	U1 UPC2748T-E3
107	1	U2 MC3372DR2
108	2	U3, U16 UPC2746TB
109	1	U4 UPC2756TB-E3
110	1	U5 LMX2330LTM
111	3	U6, U7, U19 MIC5205-3.0BM5
112	3	U8, U21, U22 NCST7S04M5
113	1	U9 LTC1474CMS8-3.3
114	1	U10 74VHC04
115	1	U11 MAX824S_EUK
116	1	U12 DTO432-H3_11.947333
117	1	U13 CGY96
118	1	U14 PMB2201
119	1	U15 SV707ER672
120	1	U17 UPC2763TB
121	1	U18 MC33204DTB
122	1	U20 S-80C52XXX-L16:R
123	1	U23 DS1305EN
124	1	U24 AT29LV256-15TC
125	1	U25 LT9810A
126	1	U26 A62L256V-70LL
127	1	X1 CDBC455CX16
128	1	X2 SX1555-32768HZ