













Item #	Designator	Description	Name	Quantity	Manufacturer 1	Manufacturer PartNo 1	Footprint	LibRef	Note
1	C1, C3	Capacitor	5.6pF	2	manuracturer i	manuacturer Faturo I	0402	Сар	HOLE
2	C2, C6	Capacitor, low temp coeff	11pF	2			0402	Cap	
3	C4, C5, C7, C11, C12, C20	Capacitor	220nF	6			0402	Сар	
4	C8		1.2nF	1			0402	Cap	
5	C9, C10, C15, C19	Capacitor	100nF	4			0402	Сар	
6	C13	Capacitor	47pF	1			0402	Сар	
7 8	C14, C49 C16	Capacitor	220pF	2			0402, 1608[0603]	Cap	
9	C17, C18, C21	Capacitor Capacitor	270pF 6.8pF	3			0402 0402	Cap Cap	
10	C22, C23	Capacitor	1000pf	2			0402	CGA2B2NP01H101J050BA	
11	C24	Capacitor	1000pF	1			0402	CGA2B2NP01H101J050BA	
		· ·							
12	C25	Capacitor	1uF	1			0402	CGA2B2NP01H101J050BA	
13	C26, C27, C37	Capacitor	390pF	3			1608[0603]	Cap	
14 15	C28, C29, C38 C30, C32, C36, C39,	Capacitor Capacitor	22uF 10uF	3 6			1608[0603] 1608[0603], C0805	Cap Cap	
	C41, C43	· ·							
16 17	C31, C33, C40 C34	Capacitor	0.1uF 15uF	3 1			1608[0603]	Cap	
18	C35	Capacitor Capacitor	100uF	1			1608[0603] C0805	Cap Cap	
19	C42, C45, C46, C47	Capacitor	1uF	4			1608[0603], C0805	Сар	
20	C44	Capacitor - C0805C106J9RACAUTO	10uF	1			C0805	Сар	
21			2.2uF	2					
22	C51, C56	Capacitor Capacitor	100pF	2			1608[0603], C0805 1608[0603], 0402	Cap Cap	
23	C52, C54	Capacitor	10pF	2			1608[0603]	Cap	
24 25	C53 C55	Capacitor Capacitor	27pF 1.2pF	1			1608[0603] 1608[0603]	Cap Cap	
26	C57	Capacitor	22pF	1			0402	Cap	
27	C58, C59, C60, C61	Capacitor	1nF	4	<u></u>		C0805	Сар	
28	FL1	Filter	BPF-C450+	1			BPFC450	BPF-C450+	
29	IC1	Integrated Circuit	ADF7030-1BSTZN	1			QFP50P900X900X160-48N	ADF7030-1BSTZN	
30	IC2	Integrated Circuit	TQP3M9035	1			SON50P200X200X90-9N-D	TQP3M9035	
31	IC3, IC4, IC6	Integrated Circuit	TPS62130RGTR	3			QFN50P300X300X100-17N-D	TPS62130RGTR	
32	IC5	Integrated Circuit	LM1117IDTX-	1			LM1117IDTXADJNOPB	LM1117IDTX-ADJ_NOPB	
	IC7		ADJ NOPB	1			QFN50P400X400X90-25N-D	RF6886TR13	
33 34	J1	Integrated Circuit Connector	RF6886TR13 73251-2123	1			73251-2123	73251-2123	
35	J2, J3	Connector	ESQ-126-13-G-D	2			ESQ-126-Y-X-D	ESQ-126-13-G-D	
36	K1	Relay or Contactor	G3VM-41HR	1			SOP254P700X210-6N	G3VM-41HR	
37	L1	Inductor	82nH	1			0402-A	Inductor	
38	L2, L4	Inductor	20nH	2			0402-A 0402-A	Inductor	
39 40	L3 L5	Inductor Inductor	40nH 11nH	1			0402-A 0402-A	Inductor Inductor	
41	L6	Inductor	18nH	1			0402-A	Inductor	
42 43	L7 L8, L9, L10	Inductor Inductor	82nH 0603 IHLP2020CZER2R2	1 3			0603 INDPM5552X300N	Inductor IHLP2020CZER2R2M8A	
			M8A						
44	L11	Inductor	A04TJLC - 12.5nH	1			A04TJLC	A04TJLC	
45	L12	Inductor	8.2nH	1			0603	Inductor	
46	LED_ADF, LED_BAT, LED_CS, LED_LNA,	LED	LED	9			C0805	HSMR-C170-R0000	
	LED_LNA_EN_Pow,								
	LED_LNA_SHDWN,								
	LED_PA, LED_PA_Pow,								
	LED_PA_ref_Ctrl								
47	LED_Rx1	LED	HSMR-C170-R0000	1			LEDC2012X90N	HSMR-C170-R0000	
48	LED_Tx1	LED	HSMQ-C170-T0000	1			LEDC2012X90N	HSMQ-C170-T0000	
49	P2	Header, 2-Pin	Header 2	1			HDR1X2	Header 2	
50 51	P5 P6, P12	Header, 2-Pin Header, 2-Pin	Ext_Bat PA_Pow	1 2			HDR1X2 HDR1X2	Header 2 Header 2	
51	P6, P12 P7	Header, 2-Pin Header, 2-Pin	LNA_Pow	1			HDR1X2 HDR1X2	Header 2	
53	R1, R2, R9, R10,	Resistor	100k	6			J1-0603	Res3	
54	R12, R18 R3	Resistor	CRG0402J33K	1			0402	CRG0402J33K	
55	R4	Resistor	CRCW040210K0JN	1			0402	CRCW040210K0JNED	
56	R5	Resistor	ED 1k	1			J1-0603	Res3	
57	R6	Resistor	10k	1			J1-0603	Res3	
58 59	R7 R8		15k 22k	1			J1-0603 J1-0603	Res3 Res3	
60	R11	Resistor	56k	1			J1-0603	Res3	
61	R13, R23 R14	Resistor	100k	2	·		1608[0603]	Res1	
62 63	R15, R27, R28, R34,	Resistor Resistor	68k 1k	9			1608[0603] 1608[0603]	Res1 Res1	
	R36, R37, R38, R39,						•		
64	R41 R16	Resistor	27k	1			J1-0603	Res3	
65	R17	Resistor	8k	1			J1-0603	Res3	
66 67	R19 R20, R21	Resistor Resistor	33k 390Ohm	1 2			J1-0603 1608[0603]	Res3 Res1	
68	R22, R24	Resistor	220Ohm	2			1608[0603]	Res1	
69 70	R25, R26 R30, R31, R32, R33,	Resistor Resistor	0r CRCW25120000Z0	2 10			1608[0603] RESC6332X70N	Res1 CRCW25120000Z0EG	
,,,	R35, R40, R43, R44,		EG	10				SNOTTESTEDUULUEU	
	R45, R46								
71	R_Rx, R_Rx1, R_Tx,	Resistor	Res1	4			1608[0603]	Res1	
72	R Tx1 S1	Switch	TQP4M0008	1			SON50P200X200X90-7N-D	TQP4M0008	
73	T1	Transformer	ADT1.5-1+	1			ADT151	ADT1.5-1+	
74	Y1	Crystal or Oscillator	ABS07-120- 32.768KHZ-T	1			ABS0712032768KHZT	ABS07-120-32.768KHZ-T	
75	Y2	Crystal or Oscillator	FA-	1			FA128260000MF10ZW5	FA-128_26.0000MF10Z-W5	
			128_26.0000MF10Z- W5						
	1		1114		1				