

; Partslist for New_RFE HA-SDR Filter Unit, Version 0.93

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19 jan 2010 by PE0SSB, correction of values and quantities

Pos	Sheet Qty.	Part Numbers	Value	Type	Vendor Order Number	
1	1	65	C1, C2, C4, C10, C11, C13, C14, C16, C17, C18,	0.1 uF	SMD C0805	Reichelt
	2		C30, C37			Buerklin
	3		C201, C202, C203, C207, C208,			
	3		C211, C212, C213, C217, C218,			
	3		C221, C222, C223, C227, C228,			
	3		C231, C232, C233, C237, C238,			
	3		C241, C242, C243, C247, C248,			
	4		C33, C34			
	5		C251, C252, C253, C257, C258,			
	5		C261, C262, C263, C267, C268,			
	5		C271, C272, C273, C277, C278,			
	5		C281, C282, C283, C287, C288,			
	5		C291, C292, C293, C297, C298			
	6		C18			
	2	6	C79, C80, C126, C81, C82, C47			
2	1	1	C08	10 nF	SMD C0805	
3	1	3	C12 C15, C5	22 nF	SMD C0805	
Pos	Sheet Qty.	Part Numbers	Value	Type	Vendor Order Number	
5	1	3	C6, C7, C101	0.22 uF	SMD C0805	
6	2	2	C28, C24	1 uF	SMD C0805	

7	1	2	C03, C09	4.7 u	Elko radial E2.5-6
8	2	2	C29, C30,	10 uF	Elko radial E2.5-5
10	1	1	L110 uH	Wired 0207/7	
11	2	2	L2	100 uH	SMD L4532C
12	1	5	L3, L4, L5, L6, L7	22 uH	SMD L3230M
13	1	1	L9	22 uH	SMD L4532P
14	2	2	L21, L22	10 uH	Wired 0207/15
15	4	6	L31, L32, L33, L34, L35, L36	22 uH	SMD L1206

Pos	Sheet Qty.		Part Numbers	Value	Type	Vendor Order Number
19	1	1	R2	Doorverbinden		
20	1	1	R7	3.3 Ohm	R0805	
21	1	2	R12, R13,	5.1 Ohm	R0805	
22	1	2	R26, R27	10 Ohm	R0805	
23	1	2	R23, R25	27 Ohm	R0805	
24	1	6	R3, R4, R5, R29, R31, R32	51 Ohm	R0805	
25	1	2	R18, R19	56 Ohm	R2010	
	1	1	R22	56 Ohm	R0805	
26	2	4	R1, R15, R17, R24	100 Ohm	R0805	
27	1	1	R28	220 Ohm	R0805	
28	1	1	R6	470 Ohm	R0805	
29	6	2	R61, R68	680 Ohm	R0805	
30	1	4	R8, R9, R10, R11	1 KOhm	R0805	
31	6	2	R62, R69	1 KOhm	R0805	
32	1	2	R14, R16,	3.3 KOhm	R0805	
	6	1	R63	3.3 KOhm	R0805	
33	6	1	R64	10 Kohm	R0805	
34	6	3	R65, R66, R67	33 Kohm	R0805	

Pos	Sheet Qty.		Part Numbers	Value	Type	Vendor Order Number
40	6	9	D1, D2, D3, D4, D5, D70, D69, D71, D72	1N4148W	SMD SOD123	
41	1	4	D9, D10, D11, D12	BA595	SMD SOD323-R	
42	6	2	D6, D7	PRLL5818	SMD MiniMELF	
Pos	Sheet Qty.		Part Numbers	Value	Type	Vendor Order Number
50	4	2	IC1, IC11	ULN2003AD	SMD SO16	
51	2	1	IC2	74HC139AD	SMD SO16	
52	2	4	IC3, IC4, IC5, IC6	74HC595AD	SMD SO16	
53	2	2	IC7, IC8	74HC04AD	SMD SO16	
54	1	1	IC9	74AC86AD	SMD SO16	
55	2	1	IC10	OPA2674	SMD SOIC8	
56	3 3 5 5	20	IC20, IC21, IC22, IC23, IC24, IC25, IC26, IC27, IC28, IC29, IC30, IC31, IC32, IC33, IC34, IC35 IC36, IC37, IC38, IC39	AS193 / HMC226	SMD SOT26A	
57	2	1	IC15	INA1105	SMD	Static sensitive!

Pos	Sheet Qty.		Part Numbers	Value	Type	Vendor Order Number
60	4	16	K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13, K14, K16, K20	G5-V1 5V	Relais	Bürklin, Reichelt
61	1	4	K24, K25, K21, K22	G5-V1 12V !	Relais	
61	1	1	K15	G6K-2P 5V	Relais	Reichelt
61	1	1	K18	G6K-2P12V !	Relais	
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70	6	3	Q1, Q2, Q3	BSS123	SMD SOT23	
71	6	2	Q6, Q7	BCX53	SMD SOT89	
80	1	1	T1	ADT1.5-1	MCL CD636	Minicircuit Lab or DIY
81	1	1	T2	TC4-1T	MCL CD636	Minicircuit Lab or DIY
90	1	5	X-ANT, X-TRX, X-VTR_3, X-EXT-INP, X-EXT-OUT	SMA or MCX Socket	mount on application requirement !	

Lowpassfilter SDR-1000 Parameters, Sheet 3 and 5

Pos	Sheet Qty.	Part Numbers	Value	Type	Vendor Order Number
100	3	1	C295	3300 pF	SMD C1206
101	3	2	C294, C 296	2200 pF	SMD C1206
102	3	1	C275	1500 pF	SMD C1206
103	3	3	C225,C274, C276	1000 pF	SMD C1206
104	3	1	C255	820pF	SMD C1206
105	3	2	C224, C226,	680 pF	SMD C1206
106	3	3	C245, C254, C256	560 pF	SMD C1206
107	3	1	C235	470 pF	SMD C1206
108	3	2	C244, C246	390 pF	SMD C1206
109	3	1	C285	330 pF	SMD C1206
110	3	2	C234, C236	270 pF	SMD C1206
111	3	3	C265, C284, C 286	220 pF	SMD C1206
112	3	2	C264, C266	150 pF	SMD C1206
113	3	1	C215	120 pF	SMD C1206
114	3	2	C214, C216	68 pF	SMD C1206

120	3	2	L211, L212	0.178 uH
121	5	2	L261, L262	0.25 uH
122	5	2	L281, L282	0.35 uH
123	3	2	L231, L232	0.53 uH
124	3	2	L241, L242	0.75 uH
125	3	2	L221, L222	1.39 uH
126	5	2	L251, L252	1.69 uH
127	5	2	L271, L272	1.85 uH
128	5	2	L291, L292	3.76 uH

Bandpass-Filter, SDR-1000 Parameters, 3 poles, Sheet 4

Pos	Sheet Qty.	Part Numbers	Value	Type	Vendor Order Number
200	4	4	C102, C104, C112, C114	1000 pF	SMD C1206
201	4	1	C113	680 pF	SMD C1206
202	4	2	C122, C124	470 pF	SMD C1206
203	4	2	C132, C134	270 pF	SMD C1206
204	4	2	C142, C144	220 pF	SMD C1206
205	4	1	C123	180 pF	SMD C1206
206	4	2	C152, C154	100 pF	SMD C1206
207	4	1	C133	82 pF	SMD C1206
208	4	1	C153	56 pF	SMD C1206
209	4	1	C143	47 pF	SMD C1206

Aantal	Pos	Waarde	Aantal windingen	Toroid Materiaal
1	L103	3,9 uH	31 x 0,3	T37-2 (bruin-rood)
1	L113	2,7 uH	26 x 0,4	T37-2 (bruin-rood)
3	L112, L114,L123	1,8 uH	21 x 0,4	T37-2 (bruin-rood)
1	L153	0,27 uH	9 x 0,5	T37-6 (geel)
4	L152,L154,L142,L144	0,15uH	7 x 0,5	T37-6 (geel)
3	L124,L122,L143	0,68uH	15 x 0,5	T37-6 (geel) of:
3	L124,L122,L143	0,68uH	13 x 0,5	T37-2 (bruin-rood)
2	L132,L134	0,33uH	10 x 0,5	T37-6 (geel) of:
2	L132,L134	0,33uH	9 x 0,5	T37-2 (bruin-rood)
1	L133	1uH	18 x 0,5	T37-6 (geel) of:
1	L133	1uH	16 x 0,5	T37-2 (bruin-rood)