

RF component list QROlle II

Boards A and B
2009-07-15 OH

Semiconductors:

Type	(Designator)	PCB A (pcs)	PCB B (pcs)	Elfa part no
BAT18	(A2)	8	-	70-305-54
BAS85		-	1	70-306-04
BA885	(PA)	-	1	-
S1G	alt. LL4002G	-	1	70-000-37
BAV70	(A4)	4	2	70-306-87
BAV99	(A7)	9	3	70-300-75
BZX84C2V7	(Z12)	-	1	70-302-24
BZX84C3V9	(Z16)	-	1	70-302-57
1N4148		-	4	70-005-57
BC847B	(1F)	32	10	71-301-31
BC857B	(3F)	17	2	71-301-56
BCX56-16	(BL)	1	1	71-312-95
BCX52-16	(AM)	-	1	71-312-46
BFS20	(G1)	5	-	-
BFR92A	(P2)	1	1	71-076-26
BF991	(M91)	1	-	71-306-93
IRFR110		-	1	71-170-62
IRF510		-	1	71-148-04
L7809CV		-	1	73-091-23
LM324D		1	-	73-462-32
LM358D		2	1	73-301-29
LM386M-1		1	-	73-267-20
MCP3202		-	1	73-420-41
AD8402		-	1	Analog Devices

Crystals:

		PCB A (pcs)	PCB B (pcs)	Elfa part no
5.0000 MHz	30 pF parallellres.	7	-	74-502-73
4.0960 MHz	12 pF parallellres.	1	-	74-515-37

Frequency mixer:

ADE-1+	1	-	Mini-Circuits
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Resistors:

Type	PCB A (pcs)	PCB B (pcs)	Elfa part no
100 ohms 2W	-	1	60-793-70
1 ohm 1W	-	1	60-781-33
560 ohms 1W	-	1	60-784-63

Resistors type 0805:

1R	(1R00)	1	1	60-167-52
2R2	(2R20)	1	2	60-168-44
4R7	(4R70)	1	1	60-169-27
10	(10R0)	5	-	60-170-16
22	(22R0)	2	-	60-170-99
47	(47R0)	3	-	60-171-72
68	(68R0)	2	-	60-172-14
100	(1000)	12	7	60-172-55
220	(2200)	4	1	60-173-39
330	(3300)	6	4	60-173-70
560	(5600)	7	3	60-174-38
1K	(1001)	12	4	60-174-95
1K8	(1801)	13	-	60-175-52
2K2	(2201)	1	-	60-175-78
2K7	(2701)	6	2	60-175-94
3K9	(3901)	12	3	60-176-36
6K8	(6801)	17	2	60-176-93
10K	(1002)	10	2	60-177-35
15K	(1502)	36	9	60-177-76
22K	(2202)	16	-	60-178-18
33K	(3302)	37	12	60-178-59
68K	(6802)	5	4	60-179-33
100K	(1003)	13	2	60-179-74
470K	(4703)	4	1	60-181-39
1M	(1004)	2	-	60-182-12

Preset potentiometers:

50K	type 23B	2	-	64-321-16
10K	type 67W	1	2	64-743-24

Capacitors:

0.1 uF	250V	-	3	65-246-23
100 pF	630V	-	1	65-709-07
150 pF	630V	-	1	65-709-23
220 pF	630V	-	1	65-709-56
330 pF	630V	-	2	65-709-72
470 pF	630V	-	2	65-709-98
680 pF	630V	-	2	65-710-04
1 nF	630V	-	1	65-710-20
1.5 nF	630V	-	1	65-710-46
3.3 nF	630V	-	1	65-710-87
4.7 nF	630V	-	1	65-711-03
33 pF	500V	-	3	65-691-72
100 uF	16V el lyt	1	-	67-010-80
220 uF	16V el lyt	2	-	67-011-06
470 uF	16V el lyt	2	2	67-011-48
10 uF	16V tant type 3528	4	1	67-733-29

22uF	6V tant type 3528	-	1	67-733-45
2.2 uF	16V type 1206	5	3	65-834-54
2-22 pF	film trimmer	11	2	68-799-02

Capacitors type 0805:

1p8	(G0)	1	-	65-795-69
2p7	(L0)	2	-	65-796-01
3p9	(Q0)	2	1	65-796-43
6p8	(W0)	1	-	65-797-00
10 p	(A1)	9	1	65-797-42
15 p	(E1)	5	1	65-797-83
18 p	(G1)	1	-	65-798-09
22 p	(J1)	4	1	65-798-25
33 p	(N1)	5	1	65-798-66
47 p	(S1)	2	-	65-799-24
56 p	(U1)	5	2	65-799-40
68 p	(W1)	4	-	65-799-65
82 p	(Y1)	-	1	65-799-81
100 p	(A2)	7	-	65-800-05
150 p	(E2)	2	2	65-800-47
220 p	(J2)	1	1	65-800-88
330 p	(N2)	1	2	65-801-20
470 p	(S2)	4	-	65-763-00
560 p	(U2)	2	-	65-763-18
680 p	(W2)	7	2	65-763-26
1 n	(A3)	10	-	65-811-69
1n5	(E3)	3	-	65-812-01
2n2	(J3)	4	2	65-812-43
3n3	(N3)	6	-	65-812-84
10 n	(A4)	6	-	65-765-65
22 n	(J4)	3	1	65-765-99
0u1	(A5)	53	35	65-766-31
0u47	(S5)	4	-	65-202-58
1 u	(A6)	10	-	65-809-71

Chokes:

0.33 uH	type 1210 (R33)	1	1	58-852-72
0.68 uH	type 1210 (R68)	1	-	58-852-80
1 uH	type 1210 (1R0)	2	-	58-852-98
1.5 uH	type 1210 (1R5)	-	1	58-853-06
2.2 uH	type 1210 (2R2)	3	2	58-853-14
10 uH	type 1210 (100)	4	4	58-853-55
22 uH	type 1210 (220)	1	-	58-853-71
33 uH	type 1210 (330)	4	1	58-853-89
100 uH	type 1210 (101)	7	1	58-854-13
1000 uH	type 1812 (102)	1	-	58-852-49
10 uH	Axial inductor (100)	-	1	58-084-49

Toroid cores:

Amidon T37-2	6	5	58-740-11
Ferroxcube 4C65 TN10/6/4	3	2	58-765-78
Amidon FT-37-43	-	1	58-744-66
Amidon FT-50A-43	-	1	58-741-36

Remaining parts:

Relay Omron G6K 12V	5	10	37-022-55
Comp. header 20-pole	-	2	48-155-10
Pin header 2x6 pole	2	-	43-717-46
Socket 2x6 pole	-	2	43-781-47
Enamelled Cu-wire 0.3 mm	96 cm	32 cm	55-173-39
Enamelled Cu-wire 0.4 mm	282 cm	262 cm	55-174-38
Enamelled Cu-wire 0.6 mm	-	25 cm	55-176-36
PC-board A			
PC-board B			

Example pictures of components for clarification.



This is a Tantalum capacitor. "226" means that it is a 22uF.

Please note:

The notch (can also be a band) on top of picture designates the positive pole.



These are two 1uH Inductors. Don't be confused by the "R" to believe it is a resistor.



Inductors: The one on top is 1.5uH, Bottom 22uH.

Same logic as with marking resistors, the "0" means "no zero"...



Inductors: From top to bottom: 1002 = 1000uH, R33 = 0.33uH, R68 = 0.68uH