



ACOM

International, Inc.

**Exhibit 11: Additional Information in
Response to 47 CFR Ch.1 Sec. 2.1033**

**External Radio Frequency
Power Amplifier ACOM1000
Model 1000**

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Tuning procedure

Tuning is possible only in operate mode, so press the OPER button in order to illuminate its LED (unless Auto-Operate is active).

Tuning the amplifier is a procedure of matching the impedance of the currently used antenna to the optimum tube load resistance. This will ensure maximum plate efficiency and RF gain at nominal output power, with minimum IMD at that.

Please note, that the REFLECTED POWER readings and the measured VSWR depend on the load impedance only, and not on the amplifier tuning. If the load impedance is different from 50-Ohm pure resistive (nominal), the REFLECTED POWER reading will always indicate reflected power presence (even at excellent tuning). The proper tuning will allow you to operate at greater power without distortion or danger to the amplifier.

Note also that the real OUTPUT POWER in the load is equal to the difference between the FORWARD- and REFLECTED- readings. For instance, at a reading of FORWARD 1200W, and of REFLECTED 200W, the real OUTPUT POWER is 1000W (into a 2.6:1 VSWR load). At very high VSWR (no antenna or badly mismatched antenna), the FORWARD and REFLECTED readings will be almost equal, while the real OUTPUT POWER (the difference between them) will be practically zero.

The amplifier can operate safely if the following rule is obeyed: "REFLECTED POWER < 500W". Matching is assured for loads with VSWR up to 3:1.

Nevertheless, for some loads and bands matching is possible at even higher VSWR. For instance, you'll get a

**** REFLECTED POWER **** soft-fault protection trip at full-scale (1200W) forward, with more than 500W reflected (700W output power), when antenna VSWR exceeds 4.5:1.

ACOM1000 PARTS LIST

No.	Description	Qty.	Reference	Delivery
1	Diode 1N4002	10	D1, D2, D3, D4, D5, D23, D24, D25, D26, D27	
2	Diode 1N4004	4	D6, D7, D8, D9	
3	Diode 1N4007	5	D13, D14, D15, D16, D19	
4	Diode 1N4148 6.35mm	2	D20, D21	
5	Diode Zener 7.5V/0.4W BZX79C7V5 6.35mm (1N5236B - Microsemi; Vishay)	2	D11, D18	
6	Diode Zener 10V/1.3W BZV85C10 9mm (1W 1N4740A)	1	D22	
7	Diode Zener 130V/3W BZT03C130 9mm (5W 1N5381B 12.7mm)	1	D10	
8	Diode Schottky 1N5711	3	D12, D17, D28	
9	Choke 2.2uH 1A	2	RFC3, RFC8	
10	Choke 10uH	3	RFC1, RFC7, RFC9	
11	Choke 22uH	6	RFC2, RFC4, RFC5, RFC6, RFC10, RFC11	
12	FUSE HOLDER (CFH02/W) (5x20 & 2AG Fuse Clip - Littelfuse 111501)	2	F1, F2	
13	Multilayer ceramic capacitor 1nF ±10% 50V 5mm	1	C36	
14	Disc ceramic capacitor type II 1.5nF ±10% 500V 5mm	1	C38	
15	Disc ceramic capacitor 2.2nF ±10% 3kV 10 mm	1	C28	
16	Disc ceramic capacitor 2.2nF ±20% 10kV 10mm	2	C1,C2	
17	Multilayer ceramic capacitor 10nF ±10% 50V 5mm	14	C16 C17 C22 C23 C26 C35 C42 C45 C46 C47 C56 C57 C58 C61	
18	Disc ceramic capacitor type II 10nF ±20% 1kV 5mm	6	C3, C14, C18, C19, C21, C29	
19	Disc ceramic capacitor 20nF ±10% 1kV 10 mm	2	C31, C40	
20	Multilayer ceramic capacitor 47nF ±20% 100V 5mm	10	C6 C7 C12 C13 C43 C48 C49 C52 C53 C54	

21	Multilayer ceramic capacitor 100nF ±20% 50V 5mm	9	C9 C10 C24 C27 C32 C33 C41 C59 C60	
22	Capacitor MPT 100nF ±20% 630VDC	1	C4	
23	Multilayer ceramic capacitor 220nF ±20% 50V 5mm	1	C34	
24	Aluminium Electrolytic Capacitor 1uF 10V 2mm (max d=5mm)	2	C20, C25	
25	Aluminium Electrolytic Capacitor EA-12 4.7uF 400V 5mm (max d=10x16.5mm)	1	C39	
26	Aluminium Electrolytic Capacitor 10uF 10V 2mm (max d=5mm)	2	C11, C37	
27	Aluminium Electrolytic Capacitor 10uF 35V 2mm (max d=5mm)	1	C44	
28	Aluminium Electrolytic Capacitor 22uF 10V 2mm (max d=5mm)	1	C62	
29	Aluminium Electrolytic Capacitor 22uF 250V 5mm (max d=12.5x20.5mm)	1	C15	
30	Aluminium Electrolytic Capacitor 100uF 35V 3.5mm (max d=8mm)	1	C55	
31	Aluminium Electrolytic Capacitor 100uF 300V 10mm (max d=25x31.5mm)	2	C30A, C30B	
32	Aluminium Electrolytic Capacitor 470uF 40V 5mm (max d=10x32mm)	1	C8	
33	Aluminium Electrolytic Capacitor 1000uF 35V 5mm (max d=12.5x32mm)	1	C50	
34	Aluminium Electrolytic Capacitor 2200uF 35V 7.62mm (max d=16x31.5mm)	1	C51A	
35	Aluminium Electrolytic Capacitor 3300uF 25V 7.62mm (max d=16x32mm)	1	C5	
36	Fuse 0.1A 250V SLOW BLOW d=5x20mm 218.100	1	F1	
37	Fuse 2A 250V SLOW BLOW d=5x20mm 218002	1	F2	
38	Resistor 10 Ohm ±5% 0.25W	1	R60	
39	Resistor wire wound 10 Ohm ±10% 10W	2	R4A, R4B	
40	Resistor precise 40.2Ohm ±1% 0.25W	4	R19, R35A, R35B, R42A	
41	Resistor precise 100 Ohm ±1% 0.25W	1	R27	
42	Resistor 100 Ohm ±5% 1W	1	R1, R5	
43	Resistor 220 Ohm ±5% 2W 20mm	2	R2, R61	
44	Resistor 470 Ohm ±5% 0.25W	2	R57, R58	
45	Resistor 1kOhm ±5% 0.25W	6	R31, R32, R39, R40, R66, R67	
46	Resistor 1.5kOhm ±5% 0.25W	1	R62	
47	Resistor 2.2kOhm ±5% 0.25W	8	R9 R11 R21 R23 R24 R25 R54 R55	
48	Resistor 2.7kOhm ±5% 0.5W	1	R6	
49	Resistor 4.7kOhm ±5% 0.25W	6	R10 R13 R20 R22 R49 R56	
50	Resistor 4.7kOhm ±5% 1W	1	R59	

51	Resistor 6.2kOhm $\pm 5\%$ 0.25W	3	R28, R43, R45	
52	Resistor precise 10kOhm $\pm 1\%$ 0.25W	1	R29	
53	Resistor 15kOhm $\pm 5\%$ 0.25W	3	R8, R51, R53	
54	Resistor 15kOhm $\pm 5\%$ 1W	1	R16	
55	Resistor precise 20kOhm $\pm 1\%$ 0.25W	1	R30	
56	Resistor 22kOhm $\pm 5\%$ 0.25W	1	R52	
57	Resistor 27kOhm $\pm 5\%$ 0.5W	1	R7	
58	Resistor 33kOhm $\pm 5\%$ 0.25W	1	R50	
59	Resistor 47kOhm $\pm 5\%$ 0.25W	1	R14	
60	Resistor 68kOhm $\pm 5\%$ 0.25W	2	R37, R64	
61	Resistor precise 82.5kOhm $\pm 1\%$ 0.25W	1	R63	
62	Resistor 100kOhm $\pm 5\%$ 0.25W	3	R15, R18, R48	
63	Resistor precise 100kOhm $\pm 1\%$ 0.25W	3	R26, R36, R38	
64	Resistor 100kOhm $\pm 5\%$ 1W	2	R34A, R34B	
65	Resistor 150kOhm $\pm 5\%$ 2W	4	R33A, R33B, R33C, R33D	
66	Resistor precise 200kOhm $\pm 1\%$ 0.25W	1	R65	
67	Resistor 330kOhm $\pm 5\%$ 0.25W	2	R12, R46	
68	Resistor 680kOhm $\pm 5\%$ 0.25W	1	R17	
69	Resistor 1MOhm $\pm 5\%$ 0.5W	4	R3, R41, R44, R47	
70	Relay VSB24STB (793-P-1C-24VDC; RM83P)	2	K1, K2	
71	IC TIL111 (CNY17/1 Siemens; CNY17-2 Toshiba; 4N35...4N37 Toshiba. QTC)	1	U4	
72	IC LM358	2	U2, U3	
73	IC uA723	1	U5	
74	IC uA7805	1		
75	Connector MTA100 3 IDC Contacts White (AWG24) 640441-3	1	for Q8	
76	Connector PIN HEADER MTA100 3 STRAIGHT POST FRICTION LOCK 640456-3	2	JP3, JP8	
77	Connector PIN HEADER MTA156 3 STRAIGHT POST FRICTION LOCK 640445-3	1	JP1	
78	Connector PIN HEADER MTA100 5 STRAIGHT POST FRICTION LOCK 640456-5	2	JP4, JP6	
79	Connector PIN HEADER MTA100 8 STRAIGHT POST FRICTION LOCK 640456-8	1	JP2	
80	Connector PIN HEADER MTA100 10 STRAIGHT POST FRICTION LOCK 1-640456-0	2	JP5, JP7	
81	Connector AMP FASTON TAB 6.3mmx0.8mm	8	NC1, NC2, NC3, NC4, AC1, AC2, JNT1, JNT2	

82	Connector FASTON 6.35mm 22-18AWG red AMP p/n 640903-1	2		
83	Connector RCA (Cinch) Phono Jack PC Snap-Fit 90 Deg KEYSTONE 901	2	KEYIN, KEYOUT	
84	Transistor 2N3904	3	Q4, Q6, Q9	
85	Transistor 2N5551	1	Q3	
86	Transistor BF423 (KF423)	2	Q2, Q5	
87	Transistor BF469	1	Q1	
88	Transistor STP3N80FI	1	Q8	
89	Transistor STP7N20	1	Q7	
90	Transformer 2x110-2x10.5V 18VA	1	TV1	
91	Trimmer 10kOhm Type Piher PT6V Laydown (Panasonic EVN-D8AA03B14)	1	RP3	
92	Trimmer 50kOhm Type PT6V Laydown (Panasonic EVN-D8AA03B54)	2	RP1, RP2	
93	Diode SMD case SOT-23 type BAS16	4	D3, D5, D12, D20	
94	Diode SMD case SOT-23 type BAV99	1	D16	
95	Diode SMD case DO214AC (SMA. DO214AA) type S1D (S2D)	2	D14, D15	
96	Diode Zener 3.9V SMD case SOT-23 type BZX84C3V9	1	D19	
97	Diode Zener 4.7V SMD case SOT-23 type BZX84C4V7	11	D1, D2, D4, D6, D7, D8, D9, D10, D11, D17; D18	
98	Diode Zener 100V SMD case SOD106A type BZG 03C100	1	D13	
99	Choke SMD 1812 2.2uH 400mA	2	RFC3, RFC16	
100	Choke SMD 1812 10uH	14	RFC1, RFC2, RFC4, RFC5, RFC6, RFC7, RFC8, RFC9, RFC10, RFC11, RFC12, RFC13, RFC14, RFC15	
101	Ceramic capacitor SMD size 0805 NP0 27pF $\pm 5\%$ 50V	2	C62, C63	
102	Ceramic capacitor SMD size 0805 1nF $\pm 10\%$ 50V	8	C1, C3, C9, C10, C12, C13, C14, C34	
103	Ceramic capacitor SMD size 0805 10nF $\pm 10\%$ 50V	14	C11 C17 C19 C20 C22 C23 C24 C32 C37 C38 C50 C57 C77; C60	
104	Disc ceramic capacitor type II 10nF $\pm 20\%$ 500V 5mm	2	C40, C41	

105	Ceramic capacitor SMD size 1206 47nF ±20% 50V	27	C2, C5, C8, C18, C21, C25, C26, C33, C42, C43, C44, C45, C46, C47, C48, C49, C51, C52, C61, C66, C67, C68, C69, C70, C74, C75, C76	
106	Ceramic capacitor SMD size 1206 100nF ±20% 50V	17	C6, C7, C16, C28, C29, C31, C35, C36, C53, C55, C56, C58, C64, C65, C71, C72, C73	
107	Aluminium Electrolytic Capacitor 1uF 10V 2mm (max d=5x12mm)	2	C4, C15	
108	Aluminium Electrolytic Capacitor 10uF 10V 2mm (max d=5x12mm)	2	C54, C59	
109	Aluminium Electrolytic Capacitor 10uF 35V 2mm (max d=5x12mm)	1	C39	
110	Aluminium Electrolytic Capacitor 100uF 10V 2mm (max d=5x12mm)	2	C27, C30	
111	Resistor SMD size 1206 18 Ohm ±5%	1	R75	
112	Resistor SMD size 1206 39 Ohm ±10%	1	R39	
113	Resistor SMD size 1206 47 Ohm ±10%	1	R45	
114	Resistor SMD size 1206 180 Ohm ±10%	2	R78, R79	
115	Resistor SMD. size 1206 220 Ohm ±5%	1	R56	
116	Resistor 220 Ohm ±5% 2W	1	R44	
117	Resistor wire wound 330 Ohm ±5% 3W	1	R42	
118	Resistor SMD size 1206 360 Ohm ±10%	2	R73, R74	
119	Resistor SMD size 1206 470 Ohm ±5%	3	R48, R69, R72	
120	Resistor SMD size 1206 560 Ohm ±10%	2	R21, R43	
121	Resistor SMD size 1206 1kOhm ±5%	1	R77	
122	Resistor precise SMD size 1206 1kOhm ±1%	1	R19	
123	Resistor 1kOhm ±5% 0.25W	1	R62	
124	Resistor SMD size 1206 1.3kOhm ±5%	2	R36, R37	
125	Resistor SMD size 1206 1.8kOhm ±5%	1	R60	
126	Resistor precise SMD size 1206 2kOhm ±1%	1	R20	
127	Resistor SMD size 1206 2.2kOhm ±5%	14	R1, R2, R14, R15, R16, R25, R27, R28, R29, R35, R55, R64, R65, R68	
128	Resistor SMD size 1206 2.4kOhm ±5%	1	R66	
129	Resistor SMD size 1206 4.7kOhm ±5%	2	R10, R51	
130	Resistor SMD size 1206 6.8kOhm ±5%	2	R6, R22	
131	Resistor SMD size 1206 10kOhm ±5%	20	R3 R8 R9 R12 R24 R26 R34 R40 R41 R46 R57 R58 R59 R67 R70 R76 R80 R81 R82; R61	
132	Resistor precise SMD size 1206 10kOhm ±1%	2	R30, R33	
133	Resistor SMD size 1206 22kOhm ±5%	4	R13, R47, R49, R63	
134	Resistor SMD size 1206 33kOhm ±5%	2	R5, R18	
135	Resistor SMD size 1206 47kOhm ±10%	1	R54	

136	Resistor SMD size 1206 56kOhm $\pm 5\%$	1	R23	
137	Resistor SMD size 1206 100kOhm $\pm 5\%$	6	R4, R17, R50, R52, R53, R71	
138	Resistor precise SMD size 1206 200kOhm $\pm 1\%$	1	R31	
139	Resistor SMD size 1206 220kOhm $\pm 5\%$	3	R7, R11, R38	
140	Resistor precise SMD size 1206 316kOhm $\pm 1\%$	1	R32	
141	Quartz Crystal 4.88mm max h=12mm 16000kHz (+20pF) case HC49/US type ECS-160-20-4	1	X1	
142	Quartz insulation	1		
143	Relay A-12WK (TQ2E-12V)	1	K1	
144	IC SMD case SO8 type LM336D	1	U10	
145	IC SMD case SO8 type LM358D	1	U1	
146	IC SMD case SO8 type LM393D	3	U2, U3, U4	
147	IC SMD case SO8 type ST24C01M1R (EEPROM)	1	U9	
148	IC SMD case SO16 type ULN2003D	2	U6, U7	
149	IC SMD case SO16 type CD74HCT132M	1	U5	
150	IC SMD case SO16 type CD74HCT238M	1	U13	
151	IC SMD case SO20 type M74HCT573M1	3	U11, U14, U15	
152	IC case DIL28 type 27C512 (EPROM 120ns)	1	U12	
153	IC SMD case QFP80 type PCB80C552-5-16H	1	U8	
154	Connector PIN HEADER MTA100 5 STRAIGHT POST FRICTION LOCK 640456-5	3	JP3, JP6, JP9	
155	Connector PIN HEADER MTA100 6 STRAIGHT POST FRICTION LOCK 640456-6	1	JP1	
156	Connector PIN HEADER MTA100 8 STRAIGHT POST FRICTION LOCK 640456-8	2	JP2, JP8	
157	Connector PIN HEADER MTA100 10 STRAIGHT POST FRICTION LOCK 1-640456-0	2	JP4, JP5	
158	Transistor pnp case SOT-23 type BCX17	1	Q10	
159	Transistor pnp case SOT-223 type FZT749TA (BSP30/31. BCP51)	1	Q7	
160	Transistor npn case SOT-23 type BCX19	6	Q1, Q2, Q5, Q6, Q8, Q9	
161	Transistor n-MOSFET case SOT-23 type BSS138	1	Q3	
162	Transistor n-MOSFET case SOT-223 type ZVN4424G (BSP88/89/297)	1	Q4	

163	Trimer 10kOhm Type Piher PT6V Laydown (Panasonic EVN-D8AA03B14)	1	RP1	
164	IC Socket DIL 14 Mill-Max p/n 110-93-314-41-001	1	JP7	
165	IC Socket DIL 28 Mill-Max p/n 110-93-628-41-001	1	for U12	
166	Aluminium Electrolytic Capacitor SNAP-IN 150uF 450V 10mm (max d30mm)	8	C2, C3, C4, C5, C6, C7, C8, C9	
167	Resistor 150kOhm $\pm 5\%$ 2W	8	R2, R3, R4, R5, R6, R7, R8, R9	
168	Diode BY6	4	D1, D2, D3, D4	
169	Diode Zener 4.7V 1.3W BZX85C4V7 10mm (1W 1N4732 - Microsemi; Vishay)	2	D5, D6	
170	Disc ceramic capacitor 2.2nF $\pm 20\%$ 10kV 10mm	2	C1, C10	
171	Multilayer ceramic capacitor 10nF $\pm 10\%$ 50V 5mm	2	C11, C12	
172	Resistor wire wound 1 Ohm $\pm 5\%$ 3W	1	R1A	
173	Resistor wire wound 10 Ohm $\pm 10\%$ 10W	1	R12	
174	Resistor 22 Ohm* (10.....47) $\pm 5\%$ 1W	1	R1B	
175	Resistor 1kOhm $\pm 5\%$ 0.25W	2	R11, R15	
176	Resistor precise 1.87kOhm $\pm 1\%$ 0.25W	1	R14	
177	Resistor 10kOhm $\pm 5\%$ 2W	1	R10	
178	Resistor HV precise 1MOhm $\pm 1\%$ 2W (or 3MOhm $\pm 1\%$ 5W - 1pce.)	3	R13A, R13B, R13C	
179	Connector PIN HEADER MTA100 3 STRAIGHT POST FRICTION LOCK 640456-3	1	JP2	
180	Connector (AMP FASTON TAB 6.3mmx0.8mm)	4	J1, J2, J3, J4	
181	Diode 1N4004	1	D3	
182	Diode Shottky SMD BAS70-04 (SOT23)	1	D2	
183	Choke 100uH	1	RFC1	
184	Disc ceramic capacitor type I NP0 10pF $\pm 5\%$ 500V	2	C8, C9	
185	Disc ceramic capacitor type I NP0 20pF $\pm 5\%$ 500V 5mm	2	C14, C15	
186	Disc ceramic capacitor type I NP0 30pF $\pm 5\%$ 500V 5mm	1	C19	
187	Disc ceramic capacitor type I NP0 39pF $\pm 5\%$ 63V 5mm	1	C7	
188	Disc ceramic capacitor type I NP0 62pF $\pm 5\%$ 500V 5mm	1	C17	
189	Ceramic capacitor SMD size 0805 1nF $\pm 10\%$ 50V	2	C5, C6	
190	Disc ceramic capacitor type II 10nF $\pm 20\%$ 500V 5mm	4	C10, C11, C12, C13	

191	Disc ceramic capacitor type II 10nF ±20% 1kV 5mm	2	C18, C20	
192	Resistor SMD. size 1206 110 Ohm ±5%	2	R11, R12	
193	Resistor SMD. size 1206 220 Ohm ±5%	4	R6, R7, R8, R9	
194	Resistor 2.2kOhm ±5% 2W	1	R10	
195	Resistor SMD. size 1206 22kOhm ±5%	2	R4, R5	
196	Relay A-12WK (TQ2E-12V)	2	K1, K2	
197	Connector PIN HEADER MTA100 3 STRAIGHT POST FRICTION LOCK 640456-3	1	JP3	
198	Connector PIN HEADER MTA100 8 STRAIGHT POST FRICTION LOCK 640456-8	1	JP1	
199	Varistor 390VDC d = 20mm 100A@775V ERZ-V20D391 (V250LA40B; ZNR V20391U)	1	VSsg	
200	Diode Shottky SMD BAS70-04 (SOT23)	1	D1	
201	Disc ceramic capacitor type I NP0 10pF ±5% 500V	1	C4	
202	Disc ceramic capacitor type I NP0 68pF ±5% 63V 5mm	1	C3	
203	Ceramic capacitor SMD size 0805 1nF ±10% 50V	2	C1, C2	
204	Aluminium Electrolytic Capacitor 100uF 35V 3.5mm (max d8mm)	1	C16	
205	Resistor 47 Ohm ±10% 1W	1	Rsg	
206	Resistor SMD. size 1206 10kOhm ±5%	2	R13, R14	
207	Resistor SMD size 1206 22kOhm ±5%	2	R2, R15	
208	Resistor 470kOhm ±5% 0.5W	1	R3	
209	Connector PIN HEADER MTA100 3 STRAIGHT POST FRICTION LOCK 640456-3	1	JP4	
210	Connector PIN HEADER MTA100 8 STRAIGHT POST FRICTION LOCK 640456-8	1	JP2	
211	Connector (AMP FASTON TAB 6.3mmx0.8mm)	2	J1, J2	
212	Diode Zener 4.7V/0.4W BZX79C4V7 6.35mm (1N5230 - Microsemi; Vishay)	1	D3	
213	Diode Shottky 1N5711	2	D1, D2	
214	Disc ceramic capacitor type I NP0 15pF ±5% 63V 2.5mm	1	C6	
215	Disc ceramic capacitor type I NP0 18pF ±5% 63V 2.5mm	1	C2, C5	
216	Disc ceramic capacitor type I NP0 24pF ±5% 63V 2.5mm	1	C4	

217	Disc ceramic capacitor type I NP0 36pF ±5% 63V 2.5mm	2	C1, C3	
218	Multilayer ceramic capacitor 1nF ±10% 50V. 5mm	2	C7, C8	
219	Multilayer ceramic capacitor 10nF ±10% 50V. 5mm	3	C9, C10, C11	
220	Multilayer ceramic capacitor 47nF ±20% 50V 5mm	2	C12, C13	
221	Resistor 220 Ohm ±5% 0.25W	1	R9	
222	Resistor 620 Ohm ±5% 0.25W	1	R1	
223	Resistor 1kOhm ±5% 0.25W	2	R7, R11	
224	Resistor 2.2kOhm ±5% 0.25W	2	R13, R14	
225	Resistor 10kOhm ±10% 0.25W	1	R12	
226	Resistor 22kOhm ±5% 0.25W	4	R2, R3, R4, R5	
227	Resistor 220kOhm ±5% 0.25W	3	R6, R8, R10	
228	IC LM393	1	U1	
229	Connector1x5 90 deg. 0.64mm square 2.54mm pitch SINGLE ROW RIGHT ANGLE PIN HEADER	1	JP1	
230	Switch button ITT ISOSTAT 532-010-001 (E-SWITCH 520-02-1)	3	B1, B2, B3	
231	LED d5mm green CQY72 (VQA23)	1	D1	
232	LED d=5mm yellow CQY74 (VQA33)	1	D2	
233	Connector MTA100 8 IDC Receptacle white (AWG24) 640441-8	1	JP1	
234	Resistor 2.2kOhm ±5% 0.25W	2	RA, RI	
235	Trimmer 10kOhm Type Piher PT6V Laydown (Panasonic EVN-D8AA03B14)	2	RP1, RP2	
236	Multilayer ceramic capacitor 100nF ±20% 50V 5mm	2	C1, C2	
237	Resistor precise 1kOhm ±1% 0.25W	1	R2	
238	Resistor 6.8kOhm ±5% 0.25W	1	R1	
239	IC LM335Z	1	U1	
240	Connector MTA100 3 IDC Contacts White (AWG24) 640441-3	1	JP1	
241	Diode SMD case DO214AC (SMA. DO214AA) type S1A (S2A)	3	D4, D5, D6	
242	Diode Shottky SMD BAS70-04 (SOT23)	3	D1, D2, D3	
243	Choke SMD size 1812 10uH	2	RFC1, RFC2	
244	Choke SMD size 1812 22uH	2	RFC3, RFC4	
245	Ceramic capacitor SMD size 0805 NP0 56pF ±5% 50V	4	C11A, C11B, C11C, C11D	
246	Ceramic capacitor SMD size 0805 1nF ±10% 50V	8	C3, C4, C5, C6, C7, C8, C9, C10	
247	Ceramic capacitor SMD size 0805 10nF ±10% 50V	3	C14A, C14B, C15	

248	Disc ceramic capacitor type II 10nF ±20% 500V 5mm	2	C12, C13	
249	Ceramic capacitor SMD size 1206 47nF ±20% 50V	2	C1, C2	
250	Resistor precise SMD size 1206 100 Ohm ±1%	8	R1A, R1B, R1C, R1D, R2A, R2B, R2C, R2D	
251	Resistor SMD size 1206 390 Ohm ±5%	1	R5	
252	Resistor SMD size 1206 1kOhm ±5%	3	R3, R8, R11	
253	Resistor SMD size 1206 8.2kOhm ±5%	1	R10	
254	Resistor SMD size 1206 20kOhm ±5%	1	R6	
255	Resistor SMD size 1206 33kOhm ±5%	1	R4	
256	Resistor SMD size 1206 62kOhm ±5%	1	R7	
257	Resistor SMD size 1206 82kOhm ±5%	1	R9	
258	Connector PIN HEADER MTA100 6 STRAIGHT POST FRICTION LOCK 640456-6	1	JP1	
259	Trimmer 1.5/5pF NP0 100VDC Red; MURATA TZ03Z050ER169; 2/5pF SPRAGUE/GOODMAN GKG5R015 Top Adjust Blue	1	CT1	
260	Trimmer 6/110pF N100 250V Violet; PHILIPS 222 808 31101	1	CT2	
261	Trimmer 10kOhm Type Piher PT6V Laydown (Panasonic EVN-D8AA03B14)	3	RP1, RP2, RP3	
262	Connector MTA100 5 IDC Receptacle white (AWG24) 640441-5	4	C3, C9, M4, M6	
263	Connector MTA100 8 IDC Receptacle white (AWG24) 640441-8	3	C2, T1, T2	
264	Connector MTA100 10 IDC Receptacle white (AWG24) 1-640441-0	4	C4, C5, M5, M7	
265	Connector MATE-N-LOK UL94-V2 Cap in-line AMP p/n 1-480699-0	1	HT	
266	Spring contacts for Connector MATE-N-LOK 20-14AWG AMP p/n 350550-1	2	HT	
267	Connector FASTON 6.35mm 22-18AWG red AMP p/n 640903-1	2	Tube Deck-T2	
268	LCD 2x20 ED20210YMY 20-20021-1	1		
269	Connector 2x7x2.54mm Siemens V23535-B1780-C140 (Thomas&Betts / Ansley 636-1453)	1		
270	Relief 2x7x2.54mm Siemens C42334-A386-C63 (Thomas&Betts / Ansley 636-1453)	1		
271	Connector DIP14 CW Industries 1.27mm Flat Cable DIP14 Connector	1		
272	CW Industries Strain Relief Straps	1		

273	Switch button SCHURTER 1241-1100-7-93	1	B1	
274	LED d=5mm LED TECHNOLOGY L24R5005K2P2 (LITEON Optoelectronics T-1 3/4 Red/Green White Diff. LTL-298VJ)	1	D1A, D1B	
275	Connector MTA100 5 IDC Receptacle white (AWG24) 640441-5	1	JP1	
276	Connector MTA100 6 IDC Receptacle white (AWG24) 640441-6	2		
277	Connector MTA100 3 IDC Contacts White (AWG24) 640441-3	2		
278	CONNECTOR SL-156 Housings White 3 Circuits AMP p/n 640250-3	1	2x19VAC	
279	SL-156 Crimp Contacts AMP p/n 770522-1	3	2x19VAC	
280	CONNECTOR CST-100 Crimp housings 22- 26AWG White AMP p/n 770602-8	1	120/305VAC	
281	CST-100 Crimp Contacts 22-26AWG AMP p/n 770666-1	4	120/305VAC	
282	MATE-N-LOK UL94-V2 Plug in-line AMP p/n 1-480698-0	1	14VAC	
283	Spring contacts MATE-N-LOK 20- 14AWG AMP p/n 350547-1	2	14VAC	
284	Connector FASTON 6.35mm 22-18AWG red AMP p/n 640903-1	14		
285	Connector MTA100 3 IDC Contacts White (AWG24) 640441-3	1	Ext.Fan option	
286	Connector MTA100 3 IDC Contacts White (AWG24) 640441-3	1	Blower	
287	Plate parasitic suppressor - 6nH	1	Lp1	
288	LF parasitic suppressor - 15nH	1	Lp2	
289	Pi Coil 2.5uH	1	LP2; RF DECK	
290	Plate choke 150 uH	1	RFC1; RF DECK	
291	Antenna choke 60 uH	2	RFC3, RFC4; RF DECK	
292	Socket for GU 74B	1	V1	
293	L coil 12uH	1	LL; RF DECK	
294	Pi coil 45uH	1	LP1; RF DECK	
295	Band switch	1	S1 (A,B,C); RF DECK	
296	Wattmeter current transformer	1	TA1	
297	Transformer HV	1	T2	
298	Air variable capacitor 10/175+5/35pF	1	CP1, CP2	
299	Air variable capacitor 15/450+12/340pF	1	CL1, CL2	
300	Capacitive divider		C1a, C2a	
301	Air screen/filter 92mm			
302	Blower	1	M1	
303	Coil UHFfilter 50nH	1	Lf1	
304	Coil UHFfilter 120nH	1	Lf2	
305	Ferrite ring K 16x8x6mm u=2000	10		
306	Ceramic capacitor 100pF±10% 6kV M1500 7kVA	1	CP3	
307	Capacitor 2200pF±20% 10kV	1	Cb3	
308	Ceramic capacitor 47pF±5% 3.5kV	1	Cf	

309	Ceramic capacitor type I NP0 10pF ±10% 500VDC	1	Cc2	
310	Ceramic capacitor type II 10nF ±10% 500VDC	8	Ca1, Ca2, Ca3, Ca4, Ca5, Ca6, Ch1, Ch2; RF DECK	
311	Disc ceramic capacitor type I NPO 130pF±5% 2kV/2kVA	5	CL3.1, CL3.2, CL3.3, CL3.4, CL3.5	
312	Disc Ceramic capacitor 2.2nF±20% 6kV	5	Cb1.1, Cb1.2, Cb2.1, Cb2.2, Cb4	
313	Disc Ceramic capacitor type I NPO 2.7pF ±5% 1kV	1	Cw	
314	Disc Ceramic capacitor type I NP0 5.6pF ±10% 500VDC	1	Cc1	
315	Leadless disc ceramic capacitor 820pF±20% 1kV	12	Csg	
316	Ceramic capacitor RA 12x8.5 5pF±10% 2kV	1	Cc3; RF DECK	
317	FUSE HOLDER PANEL MOUNT 3AG 10A/250V 1/4" QC 345 3 LF 1 (90F9480)	2	F1, F2	
318	Fuse 10A 250V Quick Blow. 1-1/4 inch Cartridge Fuse. Size "0" Ceramic 3AB 314010	2	F1, F2	
319	UHF Coaxial Connectors Panel Mount SO239 p/n 83-1R-RFX	1	RF INPUT	
320	UHF Coaxial Connectors Panel Mount (TFE Insul.) SO239/A p/n 83-798	1	RF OUTPUT	
321	Connector BNC	1	TUBE DECK	
322	Vacuum relay HC-1 (JR1A. VR311)	1	K1	
323	Choke 22 uH	1	RFC2	
324	Choke 2.2 uH	1	RFC2 per HV	
325	External fan (option) 24VDC	1	M2	
326	Resistor 22kOhm ±5% 0.25W	1	R1	
327	Resistor HV 1MOhm ±5% 0.5W	1	Ra	
328	Resistor HV3 MOhm ±10%	1	Rd1	
329	Resistor 47 Ohm ±5% 3W ERG -3SJ470	1	Rp2	
330	RF resistor 220 Ohm ±5% 3W ERG-3SJ221; MOLDED A/B RC42GF221K	2	Rp1.1, Rp1.2	
331	Wire wound resistor 0.1Ohm ±5%. 3W	2	Rh1, Rh2	
332	Carbon composite resistor 12 Ohm ±10%. 10W #83-0048	1	Rc	
333	RF resistor 50 Ohm. 100W	1	Rsw	
334	Microswitch	1		
335	Switch 250V/10A 6.35mm ARCOLECTRIC C 1350XB Black/red DPST (CW Industries Rocker switch DPDT ON/ON Black GR2022-1600)	1	SW	
336	Transmitting vacuum tube GU74B (4CX800A)	1	V1	
337	Mains cord 3x2.5 sq.mm L=3m	1		