

SECTION 6

SPARE PARTS LIST

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ITEM/CIRCUIT REFERENCE	DESCRIPTION	PART NO.
1. GENERAL		
	INSERT MOULDING SCREENED	0960-9887
	8-WAY INTER CONNECT FLEXFOIL	4404-0001
	MOULDING COVER	0860-9846
	CLAMPING PAD ADHESIVE	1861-0225
	NUT M3	1 9 6 6 3
	ESCUTCHEON	2060-9878
	WASHER PLAIN M3	20662
	LABEL EQUIP.	31600X7
	RUBBER FEET 23MM	33996
	SCREW No. 6X16MM PAN HD POZI AB	8204-0616

2. MODULES

ASSY PCB VOX KEYING MODULE	0260-7083
PSU 240V UK PLUG	0301-0605
PSU 220V EURO PLUG	0301-0606
PSU 110V	0301-0607

TRANSMITTER BOARD COMPONENTS

3. Capacitors

C1,10,12,40,80	CAP CHIP 220p 10% 50V	3301-0150
C2,47,72,74,111,117	CAP AL 10F 20% 16V	3401-0089
C3,7,15,18,19,22,23,24,27,30	CAP CHIP 1n 10% 50V	3301-0100
C4	CAP CHIP 1p 0.25p 50V	3301-0001
C5,53,55	CAP CHIP 3p9 0.25p 50V	3301-0008
C8,62,63,64,108,109	CAP AL 4F7 20% 25V	3401-0093
C9,90,91,92,93	CAP AL 22F 20% 16V	3401-0090
C11	CAP CHIP 4p 0.25p 50V	3301-0151
C13,35	CAP CHIP 10p 0.25p 50V	3301-0013
C14,54	CAP CHIP 1p8 0.25p 50V	3301-0004
C16,17,36,67,68,75,79,85,87	CAP CHIP 4n7 10% 50V	3301-0108
C20,38,41,46,49,52,66,95	CAP CHIP 100n -20+80% 25V	3301-0149
C21,26,32,34,43,48,61,78,88,94,102	CAP CHIP 220p 10% 50V	3301-0081
C25,60	CAP CHIP 5p6 0.25p 50V	3301-0010
C28,29	CAP CHIP 33p 5% 50V	3301-0025
C31,33,73,76,77	CAP CHIP 1n 10% 50V	3301-0100
C39,118,129	CAP CHIP 10n 10% 50V	3301-0112
C42	CAP CHIP 22p 5% 50V	3301-0021
C44	CAP CHIP 4p7 0.25p 50V	3301-0009
C45,70,116	CAP CHIP 1F 20% 16V	3306-0020

ITEM/CIRCUIT REFERENCE	DESCRIPTION	PART NO.
3. Capacitors (Continued)		
C50,56,57	CAP CHIP 3p3 0.25p 50V	3301-0007
C51,89,113,132,133	CAP CHIP 47p 5% 50V	3301-0029
C58	CAP CHIP 6p8 0.25p 50V	3301-0011
C59	CAP CHIP Op75 0.25P 50V	3301-0251
C65	CAP AL 1000F -10+50% 40V	3402-0001
C69	CAP CHIP 2n2 10% 50V	3301-0104
C71,100	CAP POLYTR 330n 10% 63V	3304-0010
C81	CAP CER 180p N750 100V	3302-0231
C82	CAP CER 150p 2% 100V	3302-0151
C83,84	CAP CER 22p 2% 100V	3302-0141
C86	CAP CHIP 8p2 0.25p 50V	3301-0012
C96,101	CAP PLYPRP 6n8 2.5% 63V	3303-0003
C97,120,122	CAP CHIP 180p 5% 50V	3301-0043
C98,104	CAP PLYPRP 10n 2.5% 63V	3303-0004
C99,103	CAP PLYPRP 4n7 2.5% 63V	3303-0002
C105,107,114,115,124,125,126	CAP CHIP 220p 10% 50V	3301-0081
C106	CAP PLYPRP 2n2 2.5% 100V	3303-0009
C110,112,128,131	CAP CHIP 100n -20+80% 25V	3301-0149
C119	CAP AL 100F 20% 6.3V	3401-0084
C127,130	CAP CHIP 220p 10% 50V	3301-0081
VC1	CAP CHIP TRIM 10p	3506-0002
VC2,3,4	CAP VARIABLE 2-10p	3501-0002
VC5	CAP VARIABLE 4-40p	3501-0005
4. Connectors		
SK1,2	PLUG 2-WAY	4501-0002
SK3	SOCKET 2.1mm PCB MOUNT	4431-0012
SK4	SKT RF COAX PANEL	4414-0001
	SOCKET 2-WAY	4501-0001
5. Crystals		
XL1	XTAL GENERIC SPEC	3904
XL1	XTAL GENERIC SPEC (HIGH STABILITY)	3905
OV1	CRYSTAL OVEN PLC1-27-12-75	6201-0001
6. Diodes		
D1	DIODE VARICAP KV1310A-3 DUAL	3701-0027
D2	DIODE ZENER CHIP BZX84C10	3703-0017
D3,4	DIODE CHIP BAR 18	3703-0004
D5	DIODE CHIP BAV99	3703-0001

ITEM/CIRCUIT REFERENCE	DESCRIPTION	PART NO.
6. Diodes (Continued)		
D6,7	DIODE ZENER CHIP BZX84C5VI	3703-0010
D8	DIODE MV2109	3701-0001
D9,10,11	DIODE CHIP BAT54	3703-0044
7. Inductors		
L1	COIL MC111 SERIES	4609-0001
L2	INDUCTOR 2F2H	4102-0009
L3,4	INDUCTOR 470nH	4102-0005
L5	INDUCTOR 10TURN	4160-6235
L6	AIR COIL	4160-6236
L7	AIR COIL	4160-6237
L8,9,11,12	INDUCTOR 220nH	4102-0003
L10,19,20,21	INDUCTOR 22nH	4102-0050
L13	INDUCTOR 100nH	4102-0001
L14,15,16	ASSY COIL	605753
L17,18	INDUCTOR 1mH	4102-0025
L22	INDUCTOR 6F8	4107-0002
8. Integrated Circuits		
IC1	IC 560CDP	3803-0003
IC2	VOLT REG 78L82AWC	95520
IC3,4	VOLT REG 7812C	6001-0002
IC5	VOLT REG 7805	6001-0001
IC6	IC 74HCT05	3819-0014
IC7	IC 14568BCP	3802-0001
IC8	IC HEF4069 SMD HEX INVERTER	3819-0007
IC9	IC SP4660DP	3803-0001
IC10,12	IC OP. AMP. LM348D	3819-0003
IC11	IC 7661	3803-0025
IC13	IC OP AMP MC 1458ND	3818-0001
IC14	VOLTAGE REG ICL8069.REF:1.2V	6002-0026
9. Links		
LK1,2,3	2-WAY JUMPER LINK (GOLD PLATED)	4408-0001

ITEM/CIRCUIT REFERENCE	DESCRIPTION	PART NO.
10. Resistors		
R1	RES CHIP 15k 5% 0.125W	3101-0174
R2,12,17,63	RES CHIP 2k2 5% 0.0625W	3105-0179
R3,52,96	RES CHIP 68R 5% 0.0625W	3105-0143
R4,6,9,14,24,47,61,62,80,87	RES CHIP 6k8 5% 0.0625W	3105-0191
R5,7,8,64,73	RES CHIP 33k 5% 0.0625W	3105-0207
R10,26,59,90	RES CHIP 560R 5% 0.0625W	3105-0165
R11	RES CHIP 22R 5% 0.0625W	3105-0131
R13	RES CHIP 3k3 5% 0.125W	3101-0158
R15,45,86	RES CHIP 15k 5% 0.0625W	3105-0199
R16,67,68,69,79,100	RES CHIP 10k 5% 0.0625W	3105-0195
R18,19,37	RES CHIP 220R 5% 0.0625W	3105-0155
R20	RES CHIP 3k9 5% 0.0625W	3105-0185
R21	RES CHIP 10R 5% 0.125W	3101-0098
R22	RES CHIP 100R 5% 0.125W	3101-0122
R23,25,29,74,109,115	RES CHIP 4k7 5% 0.0625W	3105-0187
R27,34	RES CHIP 47R 5% 0.0625W	3105-0139
R28,39,40,99	RES CHIP 33R 5% 0.0625W	3105-0135
R30,33,106	RES CHIP 470R 5% 0.0625W	3105-0163
R31	RES CHIP 15R 5% 0.0625W	3105-0127
R32,91	RES CHIP 1k2 5% 0.0625W	3105-0173
R35,104	RES CHIP 10R 5% 0.0625W	3105-0123
R36	RES CHIP 18k 5% 0.0625W	3105-0201
R41,42	RES MF 100R 1% 0.6W	3103-0188
R43,53,58,117,119	RES CHIP 100R 5% 0.0625W	3105-0147
R44,84,124	RES CHIP 22k 5% 0.0625W	3105-0203
R46,107,111,114,121,123	RES CHIP 1k0 5% .0625W	3105-0171
R48	RES CHIP 7k5 5% 0.0625W	3105-0192
R49	RES CHIP 1k5 5% 0.0625W	3105-0175
R50	RES CHIP 56k 5% 0.0625W	3105-0213
R51,55,56,57,83	RES CHIP 39k 5% .0625W	3105-0209
R54	RES MF 4R7 1% 0.6W	3103-0156
R60	RES CHIP 330R 5% .0625W	3105-0159
R66,75,77,97	RES CHIP 47k 5% .0625W	3105-0211
R65,72,88	RES CHIP 82k 5% .0625W	3105-0217
R76,89	RES CHIP 68k 5% 0.0625W	3105-0215
R81,85	RES CHIP 8k2 5% .0625W	3105-0193
R82	RES CHIP 27k 5% .0625W	3105-0205
R92,101	RES CHIP 100k 5% 0.0625W	3105-0219
R93,94,98	RES CHIP 2k7 5% 0.0625W	3105-0181
R95	RES CHIP 330k 5% 0.0625W	3105-0231

ITEM/CIRCUIT REFERENCE	DESCRIPTION	PART NO.
10. Resistors (Continued)		
R102	RES CHIP 820R 5% .0625W	3105-0169
R103,110,113,122	RES CHIP 10k 5% 0.0625W	3105-0195
R105	RES CHIP 1k8 5% 0.0625W	3105-0177
R108	RES CHIP 6k8 5% .0625W	3105-0191
R116	RES CHIP 3k3 5% 0.0625W	3105-0183
R118,120	RES CHIP 150R 5% .0625W	3105-0151
TH1	THERMISTOR 10k	3211-0002
RV1	POT CERMET 100R	3202-0001
RV2	POT MULTITURN 10k	3208-0010
RV3	POT MULTITURN 5k	3208-0009
RV4	POT CERMET 2k2	3202-0005
11. Transducer		
LS1	TRANSDUCER	5001-0001
12. Transformer		
T1	ASSY TRANSFORMER	0460-6222
13. Transistors		
TR1,13,14	TRANS BCW61C	3602-0018
TR2	TRANS MMBFU 310	3602-0008
TR3,12	TRANS BCW33	3602-0010
TR4,6	TRANS BFS 17	3602-0001
TR5	TRANS BCW31	3602-0011
TR7,8	TRANSISTOR BFR96-02	3601-0001
TR9	TRANSISTOR MRF559	3601-0003
TR10	TRANSISTOR MRF630	3601-0012
TR11	TRANSISTOR BFS19	3602-0003
14. Antenna		
	ANTENNA RPE303	5501-0001
	FLEXIBLE STRAIGHT ANTENNA	5501-0002

ITEM/CIRCUIT REFERENCE	DESCRIPTION	PART NO.
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BANDED COMPONENTS**15. Filters**

FL1,2	FILTER HELICAL 252-MX-1547A BAND 1	4605-0005
FL1,2	FILTER HELICAL 252-MX-1549A BAND 2	4605-0006
FL1,2	FILTER HELICAL 252-MX-1551A BAND 3	4605-0007

16. Capacitors

C6	CAP CER 10p 0.25p 63V BAND 1	3302-0099
C6	CAP CER 10p 0.25p 63V BAND 2	3302-0099
C6	CAP CER 8p2 0.25p 63V BAND 3	3302-0098

VOX KEYING MODULE COMPONENTS**17. Capacitors**

C1	CAP AL 22FF 20% 16V	3401-0008
C2,3,5,6,7	CAP POLYTR 100n 10% 63V	3304-0002
C4	CAP POLYTR 220n 10% 63V	3304-0009
C8	CAP AL 10F 20% 35V	3401-0100

18. Connector

PL1	8-WAY PLUG RT ANGLED	4303-0044
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19. Diodes

D1,2	DIODE 1N4148	17535
D3	INDICATOR LED HLMP1700	3704-0011

20. Integrated Circuits

IC1	IC 4538	3802-0043
IC2	IC 74HC107	3801-0049
IC3	IC 74HCO2	95993

ITEM/CIRCUIT REFERENCE	DESCRIPTION	PART NO.
21. Resistors		
R1	RES MF 39k 1% 0.6W	3103-0250
R2	RES MF 10k 1% 0.6W	3103-0236
R3	RES MF 680R 1% 0.6W	3103-0208
R4	RES MF 100k 1% 0.6W	3103-0260
R5	RES MF 1k5 1% 0.6W	3103-0216
R6	RES MF 47k 1% 0.6W	3103-0252
RV1	POT CERMET 2k2	3202-0005
RV2,3	POT CERMET 220k	3202-0011
22. Transistor		
TR1	TRANSISTOR BC183L	95785