

B R350/R500 Parts List
Main PCB Assembly Parts, common to all Models

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
C2	Capacitor 100N 10% 63V X7R 1206	46/3310/100N
C3	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C4	Capacitor 100N 10% 63V X7R 1206	46/3310/100N
C5	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C7	Capacitor 12P 5% 63V NPO SM1206	46/3300/012P
C9	Capacitor 56P 5% 63V NPO SM1206	46/3300/056P
C10	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C11	Capacitor 47P 2% 100V NPO Rad	45/2680/047P
C12	Capacitor 33P 2% 100V NPO Rad	45/2680/033P
C13	Capacitor 33P 2% 100V NPO Rad	45/2680/033P
C14	Capacitor 10N 10% 63V X7R 1206	46/3310/010N
C15	Capacitor 1N0 5% 100V NPO Rad	46/2000/01N0
C16	Capacitor 33P 2% 100V NPO Rad	45/2680/033P
C17	Capacitor 33P 2% 100V NPO Rad	45/2680/033P
C18	Capacitor 33P 2% 100V NPO Rad	45/2680/033P
C19	Capacitor 33P 2% 100V NPO Rad	45/2680/033P
C20	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C21	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C22	Capacitor 10P 2% 100V NPO Rad	45/2680/010P
C23	Capacitor 33P 2% 100V NPO Rad	45/2680/033P
C24	Capacitor 22P 2% 100V NPO Rad	45/2680/022P
C25	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C26	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C27	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C28	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C29	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C30	Capacitor 10U 35V Rad Electro	41/2001/010U
C31	Capacitor 10P 2% 100V NPO Rad	45/2680/010P
C32	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C33	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C34	Capacitor 100P 2% 100V NPO Rad	45/2680/100P
C35	Capacitor 470N 20% 50V Z5U Rad	46/2002/470N
C36	Capacitor 47U 25V RB Electro	41/2001/047U
C38	Capacitor 1N0 5% 100V NPO Rad	46/2000/01N0
C37	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C39	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C40	Capacitor 1N0 5% 100V NPO Rad	46/2000/01N0
C41	Capacitor 10U 35V Rad Electro	41/2001/010U
C42	Capacitor 33P 2% 100V NPO Rad	45/2680/033P
C43	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C44	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C45	Capacitor 4P7 5% 63V NP0 SM1206	46/3300/04P7
C46	Capacitor 4P7 5% 63V NP0 SM1206	46/3300/04P7
C47	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C48	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C49	Capacitor 100N 10% 63V X7R 1206	46/3310/100N
C50	Capacitor 10P 5% 63V NPO SM1206	46/3300/010P
C51	Capacitor 10P 5% 63V NPO SM1206	46/3300/010P
C52	Capacitor 10P 5% 63V NPO SM1206	46/3300/010P
C53	Capacitor 100N 10% 63V X7R 1206	46/3310/100N
C54	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C55	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C56	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C57	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C58	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C59	Capacitor 10U 16V TANT SM6032	42/3300/010U

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
C60	Capacitor 4P7 5% 63V NPO SM1206	46/3300/04P7
C61	Capacitor Ceramic Trim 25P SMT	49/3002/025P
C62	Capacitor 1P8 5% 63V NPO SM1206	46/3300/01P8
C63	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C64	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C65	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C66	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C67	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C68	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C69	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C70	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C71	Capacitor 47P 2% 100V NPO Rad	45/2680/047P
C72	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C73	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C74	Capacitor 100N 10% 63V X7R 1206	46/3310/100N
C75	Capacitor 100N 10% 63V X7R 1206	46/3310/100N
C76	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C77	Capacitor 10U 35V Rad Electro	41/2001/010U
C78	Capacitor 1N0 5% 100V NPO Rad	46/2000/01N0
C79	Capacitor 47N 10% 50V X7R Rad2	46/2001/047N
C80	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C81	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C82	Capacitor 47N 10% 50V X7R Rad2	46/2001/047N
C83	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C84	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C85	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C86	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C87	Capacitor 2P7 5% 63V NPO SM1206	46/3300/02P7
C88	Capacitor 100N 10% 63V X7R 1206	46/3310/100N
C89	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C90	Capacitor 1N2 5% NPO Rad2	46/2000/01N2
C91	Capacitor 1UO 10% 50V MKT	47/2007/01U0
C92	Capacitor 100N 5% 50V MKT Rad2	47/2007/100N
C93	Capacitor 22N 5% 63V MKT Rad2	47/2010/022N
C94	Capacitor 1N2 5% NPO Rad2	46/2000/01N2
C95	Capacitor 100N 5% 50V MKT Rad2	47/2007/100N
C96	Capacitor 22N 5% 63V MKT Rad2	47/2010/022N
C97	Capacitor 47U 25V RB Electro	41/2001/047U
C98	Capacitor 1N0 5% 100V NPO Rad	46/2000/01N0
C99	Capacitor 1N0 5% 100V NPO Rad	46/2000/01N0
C100	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C101	Capacitor 4N7 10% COG Rad2	46/2000/04N7
C102	Capacitor 27P 2% 100V NPO Rad	45/2680/027P
C103	Capacitor 1N5 10% 50V COG Rad	46/2000/01N5
C104	Capacitor 100N 5% 50V MKT Rad2	47/2007/100N
C105	Capacitor 470U 25V RB Electro	41/2001/470U
C106	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C107	Capacitor 10N 1% 63V KP7.5	47/2007/010N
C108	Capacitor 10N 1% 63V KP7.5	47/2007/010N
C109	Capacitor 10N 1% 63V KP7.5	47/2007/010N
C110	Capacitor 10N 1% 63V KP7.5	47/2007/010N
C111	Capacitor 1UO 10% 50V MKT	47/2007/01U0
C112	Capacitor 10N 1% 63V KP7.5	47/2007/010N
C113	Capacitor 10N 1% 63V KP7.5	47/2007/010N
C114	Capacitor 10N 1% 63V KP7.5	47/2007/010N
C115	Capacitor 10N 1% 63V KP7.5	47/2007/010N
C116	Capacitor 10N 1% 63V KP7.5	47/2007/010N
C117	Capacitor 10N 1% 63V KP7.5	47/2007/010N
C118	Capacitor 10N 10% 63V X7R 1206	46/3310/010N
C119	Capacitor 47U 25V RB Electro	41/2001/047U

B PARTS LIST

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
C120	Capacitor 1N0 5% 100V NPO Rad	46/2000/01N0
C121	Capacitor 2N2 5% 400V MKT Rad	47/2040/02N2
C122	Capacitor 15N 5% 400V MKT Rad	47/2040/015N
C123	Capacitor 33N 5% 400V MKT Rad	47/2040/033N
C124	Capacitor 6N8 10% 400V MKT Rad	47/2040/06N8
C125	Capacitor 10N 10% 400V MKT Rad	47/2040/010N
C126	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C127	Capacitor 470U 25V RB Electro	41/2001/470U
C128	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C129	Capacitor 47U 25V RB Electro	41/2001/047U
C130	Capacitor 470U 25V RB Electro	41/2001/470U
C131	Capacitor 1UO 10% 50V MKT	47/2007/01U0
C132	Capacitor 1UO 10% 50V MKT	47/2007/01U0
C133	Capacitor 1UO 10% 50V MKT	47/2007/01U0
C134	Capacitor 2U2 10% 100V MKT Rad	47/2010/02U2
C135	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C136	Capacitor 470U 25V RB Electro	41/2001/470U
C137	Capacitor 10U 35V Rad Electro	41/2001/010U
C138	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C139	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C140	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C141	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C142	Capacitor 10U 35V Rad Electro	41/2001/010U
C143	Capacitor 10U 35V Rad Electro	41/2001/010U
C144	Capacitor 10U 35V Rad Electro	41/2001/010U
C145	Capacitor 10U 35V Rad Electro	41/2001/010U
C146	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C147	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C148	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C149	Capacitor 1N0 5% 100V NPO Rad	46/2000/01N0
C150	Capacitor 1N0 5% 100V NPO Rad	46/2000/01N0
C151	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C152	Capacitor 470U 25V RB Electro	41/2001/470U
C153	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C154	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C155	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C156	Capacitor 1N0 5% 100V NPO Rad	46/2000/01N0
C157	Capacitor 18P 2% 100V NPO Rad	45/2680/018P
C158	Capacitor 18P 2% 100V NPO Rad	45/2680/018P
C159	Capacitor 10U 35V Rad Electro	41/2001/010U
C160	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C161	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C162	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C163	Capacitor 10U 35V Rad Electro	41/2001/010U
C164	Capacitor 10U 35V Rad Electro	41/2001/010U
C166	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
C167	Capacitor 10U 35V Rad Electro	41/2001/010U
C168	Capacitor 1P8 5% 63V NPO SM1206	46/3300/01P8
C169	Capacitor 1N0 5% 63V NPO SM1206	46/3300/01N0
C186	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C187	Capacitor 100N 10% 50V X7R Rad	46/2001/100N
C188	Capacitor 10N 10% 50V X7R Rad	46/2001/010N
CF2	Filter Ceramic CFU455B	34/2000/CFUB
D1	Diode Zener 5V1 BZX84C5V1 SO	21/3040/C5V1
D2	Diode Band SW BA682 SOD80	21/3050/0682
D3	Diode Schottkey BAT17 SOT23	21/3030/0017
D4	Diode VCapacitor MMBV105G SOT23	21/3060/105G
D5	Diode Silicon IN4148	21/1010/4148
D6	Diode Silicon IN4148	21/1010/4148
D7	Diode LED Yellow Rt Ang Mtg	21/1010/LEDY

B PARTS LIST

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
D8	Diode Zener 1N4751 30V 1W Axial	21/1040/4751
D9	Diode 3Amplicifier 1KV Rectifier	21/1080/5408
D10	Diode 8V2 Zener	21/1040/B8V2
D11	Diode LED Red Rt Ang Mtg	21/1010/LEDR
D12	Diode LED Green Rt Ang Mtg	21/1010/LEDG
D17	Diode Silicon IN4148	21/1010/4148
H1	Hybrid CTCSS	13/9150/0002
ISO1	IC Opto-Isolator 4N33	25/1010/4N33
JP1	Connector, 3 Way Header	35/2501/0003
JP2	Connector, 3 Way Header	35/2501/0003
JP3	Connector, 3 Way Header	35/2501/0003
JP4	Connector, 3 Way Header	35/2501/0003
JP6	Connector, 3 Way Header	35/2501/0003
JP7	Connector, 3 Way Header	35/2501/0003
JP8	Connector, 2 Way Header	35/2501/0002
JP9	Connector, 3 Way Header	35/2501/0003
JP11	Connector, 3 Way Header	35/2501/0003
JP12	Connector, 2 Way Header	35/2501/0002
L1	Inductor 1U0 10% Choke SM1008	37/3320/01U0
L3	Inductor 220N 10% Choke SM1008	37/3320/220N
L4	Inductor 1uH Axial	37/2021/001U
L5	Inductor 680N 10mm	37/2021/680N
L6	Inductor 680N 10mm	37/2021/680N
L7	Inductor 680N 10mm	37/2021/680N
L8	Inductor 680N 10mm	37/2021/680N
L9	Inductor 1.5u 10mm	37/2021/1.5U
L10	Inductor VAR 455KHz 10mm	37/2031/97HM
L11	Inductor 220N 10% Choke SM1008	37/3320/220N
L12	Inductor 1uH Axial	37/2021/001U
L13	Inductor Molded 1.5 turn	37/2021/0001
L14	Inductor 220N 10% Choke SM1008	37/3320/220N
L15	Inductor 220N 10% Choke SM1008	37/3320/220N
L16	Inductor 220N 10% Choke SM1008	37/3320/220N
L17	Ferrite Bead SMD	37/3321/LM31
L18	Inductor 680N 10% Choke SM1008	37/3320/680N
L19	Inductor 680N 10% Choke SM1008	37/3320/680N
L20	Inductor 680N 10% Choke SM1008	37/3320/680N
L21	Ferrite Bead SMD	37/3321/LM31
L22	Ferrite Bead SMD	37/3321/LM31
L23	Inductor 150mH 10RBH	37/2021/1RBH
L24	Inductor 6 Hole Ferrite RFC	37/1021/0001
L25	Ferrite Bead SMD	37/3321/LM31
L26	Inductor 1uH Axial	37/2021/001U
L27	Inductor 680N 10% Choke SM1008	37/3320/680N
L28	Inductor 68N 10% Choke SM1008	37/3320/068N
L40	Inductor 1uH Axial	37/2021/001U
MA1	Amplifier MMIC MWA0311L SOT143	24/3010/0311
MA2	Amplifier MMIC MWA0311L SOT143	24/3010/0311
MA3	Amplifier MMIC MWA0311L SOT143	24/3010/0311
MA4	Amplifier MMIC MWA0311L SOT143	24/3010/0311
MX1	Mixer SBL-1ZMH	37/2070/1ZMH
P1	Filter D RT AGL 25W M 1NF	35/5011/025M
P3	Filter D RT AGL 9W F Ferrite	35/5012/009F
Q1	Transistor NPN MRF9511 SOT143	27/3020/9511
Q2	FET NJ J309 TO92M	27/2030/J309
Q3	FET NJ J309 TO92M	27/2030/J309
Q4	FET NJ 2N5484 TO92M	27/2030/5484
Q5	Transistor RF NPN MRF5812 SO8	27/3020/5812
Q6	FET NJ MMBFJ309 SOT23	27/3030/J309
Q7	Transistor NPN MMBT3904 SOT23	27/3020/3904
Q8	Transistor GP NPN MPS2369 TO9	27/2010/2369

B PARTS LIST

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
Q9	Transistor GP NPN 2N3904 TO92	27/2020/3904
Q10	Transistor GP PNP 2N3906 TO92	27/2010/3906
Q11	Transistor GP PNP MPS3640	27/2010/3640
Q12	Transistor GP NPN 2N3904 TO92	27/2020/3904
Q13	Transistor GP PNP MPS3640	27/2010/3640
Q14	Transistor GP NPN MPS2369 TO9	27/2010/2369
Q15	Transistor GP NPN 2N3904 TO92	27/2020/3904
Q16	Transistor GP PNP 2N3906 TO92	27/2010/3906
Q17	Transistor GP NPN 2N3904 TO92	27/2020/3904
Q18	Transistor GP NPN 2N3904 TO92	27/2020/3904
Q19	Transistor GP NPN 2N3904 TO92	27/2020/3904
Q20	Transistor PNP PWR 8A TO22O	27/2010/6107
Q21	Transistor GP NPN 2N3904 TO92	27/2020/3904
Q22	Transistor GP NPN 2N3904 TO92	27/2020/3904
Q23	FET NJ 2N5459 TO92M	27/2030/5459
Q24	Transistor GP NPN 2N3904 TO92	27/2020/3904
Q26	Transistor GP NPN 2N3904 TO92	27/2020/3904
Q27	Transistor GP NPN 2N3904 TO92	27/2020/3904
R1	Resistor 680R 5% 0.25W SM1206	51/3380/0680
R2	Resistor 1K0 5% 0.25W SM1206	51/3380/01K0
R4	Resistor 47R 5% 0.25W SM1206	51/3380/0047
R5	Resistor 47R 5% 0.25W SM1206	51/3380/0047
R7	Resistor 47R 5% 0.25W SM1206	51/3380/0047
R8	Resistor 150 5% 0.25W Axial	51/1040/0150
R9	Resistor 150 5% 0.25W Axial	51/1040/0150
R10	Resistor 150 5% 0.25W Axial	51/1040/0150
R11	Resistor 5K6 5% 0.25W Axial	51/1040/05K6
R12	Resistor 150 5% 0.25W Axial	51/1040/0150
R13	Resistor 12K 5% 0.25W Axial	51/1040/012K
R14	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R16	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R17	Resistor 68K 5% 0.25W Axial	51/1040/068K
R18	Resistor 1M0 5% 0.25W Axial	51/1040/01M0
R19	Resistor 10K 5% 0.25W Axial	51/1040/010K
R20	Resistor 10K 5% 0.25W Axial	51/1040/010K
R21	Resistor 470 5% 0.25W Axial	51/1040/0470
R22	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R23	Resistor 680 5% 0.25W Axial	51/1040/0680
R25	Resistor 100K 5% 0.25W Axial	51/1040/100K
R26	Resistor 270 5% 0.25W SM1206	51/3380/0270
R27	Resistor 270 5% 0.25W SM1206	51/3380/0270
R28	Resistor 1K0 5% 0.25W SM1206	51/3380/01K0
R29	Resistor 22R 5% 0.25W SM1206	51/3380/0022
R30	Resistor 22R 5% 0.25W SM1206	51/3380/0022
R31	Resistor 180 5% 0.25W SM1206	51/3380/0180
R32	Resistor 180 5% 0.25W SM1206	51/3380/0180
R33	Resistor 150 5% 0.25W SM1206	51/3380/0150
R34	Resistor 1K0 5% 0.25W SM1206	51/3380/01K0
R35	Resistor 10K 5% 0.25W SM1206	51/3380/010K
R36	Resistor 47R 5% 0.25W SM1206	51/3380/0047
R37	Resistor 470 5% 0.25W SM1206	51/3380/0470
R38	Resistor 270 5% 0.25W SM1206	51/3380/0270
R39	Resistor 100 5% 0.25W SM1206	51/3380/0100
R40	Resistor 100 5% 0.25W SM1206	51/3380/0100
R41	Resistor 100 5% 0.25W SM1206	51/3380/0100
R42	Resistor 100 5% 0.25W SM1206	51/3380/0100
R43	Resistor 220 5% 0.25W Axial	51/1040/0220
R44	Resistor 47R 5% 0.25W SM1206	51/3380/0047
R45	Resistor 15R 5% 0.25W SM1206	51/3380/0015
R46	Resistor 22 5% 0.25W Axial	51/1040/0022
R47	Resistor 560 5% 0.25W Axial	51/1040/0560

B PARTS LIST

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
R48	Resistor 1K2 5% 0.25W Axial	51/1040/01K2
R49	Resistor 1K2 5% 0.25W Axial	51/1040/01K2
R50	Resistor 100 5% 0.25W Axial	51/1040/0100
R51	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R52	Resistor 3K3 5% 0.25W Axial	51/1040/03K3
R53	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R54	Resistor 3K3 5% 0.25W Axial	51/1040/03K3
R55	Resistor 2K2 5% 0.25W Axial	51/1040/02K2
R56	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R57	Resistor 6K8 5% 0.25W Axial	51/1040/06K8
R58	Resistor 6K8 5% 0.25W Axial	51/1040/06K8
R59	Resistor 560 5% 0.25W Axial	51/1040/0560
R60	Resistor 10K 5% 0.25W Axial	51/1040/010K
R61	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R62	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R63	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R64	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R65	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R66	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R67	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R68	Resistor 180 5% 0.25W SM1206	51/3380/0180
R69	Resistor 18R 5% 0.25W SM1206	51/3380/0018
R70	Resistor 47R 5% 0.25W SM1206	51/3380/0047
R71	Resistor 220K 5% 0.25W Axial	51/1040/220K
R72	Resistor 47K 5% 0.25W Axial	51/1040/047K
R73	Resistor 51K 5% 0.25W Axial	51/1040/051K
R74	Resistor 51K 5% 0.25W Axial	51/1040/051K
R75	Resistor 51K 5% 0.25W Axial	51/1040/051K
R76	Resistor 47K 5% 0.25W Axial	51/1040/047K
R77	Resistor 47K 5% 0.25W Axial	51/1040/047K
R78	Resistor 47K 5% 0.25W Axial	51/1040/047K
R79	Resistor 10K 5% 0.25W Axial	51/1040/010K
R80	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R81	Resistor 10K 5% 0.25W Axial	51/1040/010K
R82	Resistor 6K8 5% 0.25W Axial	51/1040/06K8
R83	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R84	Resistor 270K 5% 0.25W Axial	51/1040/270K
R85	Resistor 22K 5% 0.25W Axial	51/1040/022K
R86	Resistor 6K8 5% 0.25W Axial	51/1040/06K8
R87	Resistor 220K 5% 0.25W Axial	51/1040/220K
R88	Resistor 5K6 5% 0.25W Axial	51/1040/05K6
R89	Resistor 100K 5% 0.25W Axial	51/1040/100K
R90	Resistor 150K 5% 0.25W Axial	51/1040/150K
R91	Resistor 560K 5% 0.25W Axial	51/1040/560K
R92	Resistor 10K 5% 0.25W Axial	51/1040/010K
R93	Resistor 2K2 5% 0.25W Axial	51/1040/02K2
R94	Resistor 2K2 5% 0.25W Axial	51/1040/02K2
R95	Resistor 64K9 1% 0.25W Axial	51/1010/64K9
R96	Resistor 64K9 1% 0.25W Axial	51/1010/64K9
R97	Resistor 64K9 1% 0.25W Axial	51/1010/64K9
R98	Resistor 15K 5% 0.25W Axial	51/1040/015K
R99	Resistor 15K 5% 0.25W Axial	51/1040/015K
R100	Resistor 10M 5% 0.25W Axial	51/1040/010M
R101	Resistor 6K49 1% 0.25W Axial	51/1010/6K49
R102	Resistor 28K7 1% 0.25W Axial	51/1010/28K7
R103	Resistor 562K 1% 0.25W Axial	51/1010/562K
R104	Resistor 28K7 1% 0.25W Axial	51/1010/28K7
R105	Resistor 6K49 1% 0.25W Axial	51/1010/6K49
R106	Resistor 562K 1% 0.25W Axial	51/1010/562K
R107	Resistor 75K 1% 0.25W Axial	51/1010/075K
R108	Resistor 10K 5% 0.25W Axial	51/1040/010K

B PARTS LIST

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
R109	Resistor 3K57 1% 0.25W Axial	51/1010/3K57
R110	Resistor 3K57 1% 0.25W Axial	51/1010/3K57
R111	Resistor 3K57 1% 0.25W Axial	51/1010/3K57
R112	Resistor 10K 5% 0.25W Axial	51/1040/010K
R113	Resistor 390 5% 0.25W Axial	51/1040/0390
R114	Resistor 10K 5% 0.25W Axial	51/1040/010K
R115	Resistor 39 5% 0.25W Axial	51/1040/0039
R116	Resistor 220 5% 0.25W Axial	51/1040/0220
R117	Resistor 10 5% 0.25W Axial	51/1040/0010
R118	Resistor 2R2 5% 0.25W Axial	51/1040/02R2
R119	Resistor 10K 5% 0.25W Axial	51/1040/010K
R120	Resistor 330 5% 0.25W Axial	51/1040/0330
R121	Resistor 33K 5% 0.25W Axial	51/1040/033K
R122	Resistor 270 5% 0.25W Axial	51/1040/0270
R123	Resistor 2K2 5% 0.25W Axial	51/1040/02K2
R124	Resistor 2K2 5% 0.25W Axial	51/1040/02K2
R125	Resistor 680 5% 0.25W Axial	51/1040/0680
R126	Resistor 680 5% 0.25W Axial	51/1040/0680
R127	Resistor 680 5% 0.25W Axial	51/1040/0680
R128	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R129	Resistor 6K8 5% 0.25W Axial	51/1040/06K8
R130	Resistor 680 5% 0.25W Axial	51/1040/0680
R131	Resistor 10K 5% 0.25W Axial	51/1040/010K
R132	Resistor 51K1 1% 0.25W Axial	51/1010/51K1
R133	Resistor 274K 1% 0.25W Axial	51/1010/274K
R134	Resistor 10K 5% 0.25W Axial	51/1040/010K
R135	Resistor 10K 5% 0.25W Axial	51/1040/010K
R136	Resistor 10K 5% 0.25W Axial	51/1040/010K
R137	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R138	Resistor 5K11 1% 0.25W Axial	51/1010/5K11
R139	Resistor 47 5% 0.25W Axial	51/1040/0047
R140	Resistor 680 5% 0.25W Axial	51/1040/0680
R141	Resistor 4K7 5% 0.25W Axial	51/1040/04K7
R142	Resistor 10M 5% 0.25W Axial	51/1040/010M
R143	Resistor 4K7 5% 0.25W Axial	51/1040/04K7
R144	Resistor 4K7 5% 0.25W Axial	51/1040/04K7
R145	Resistor 4K7 5% 0.25W Axial	51/1040/04K7
R146	Resistor 10M 5% 0.25W Axial	51/1040/010M
R147	Resistor 10K 5% 0.25W Axial	51/1040/010K
R148	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R149	Resistor 5K11 1% 0.25W Axial	51/1010/5K11
R150	Resistor 2K2 5% 0.25W Axial	51/1040/02K2
R151	Resistor 680 5% 0.25W Axial	51/1040/0680
R152	Resistor 5K11 1% 0.25W Axial	51/1010/5K11
R153	Resistor 100K 5% 0.25W Axial	51/1040/100K
R154	Resistor 64K9 1% 0.25W Axial	51/1010/64K9
R155	Resistor 680 5% 0.25W Axial	51/1040/0680
R156	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R157	Resistor 10K 5% 0.25W Axial	51/1040/010K
R158	Resistor 1R0 5% 0.25W SM1206	51/3380/01R0
R159	Resistor 1R0 5% 0.25W SM1206	51/3380/01R0
R160	Resistor 18R 5% 0.25W SM1206	51/3380/0018
R177	Resistor 1K0 5% 0.25W Axial	51/1040/01K0
R179	Resistor 680 5% 0.25W Axial	51/1040/0680
R180	Resistor 470K 5% 0.25W Axial	51/1040/470K
R181	Resistor 4K7 5% 0.25W Axial	51/1040/04K7
R182	Resistor 100 5% 0.25W Axial	51/1040/0100
R183	Resistor 3K3 5% 0.25W Axial	51/1040/03K3
R184	Resistor 3K3 5% 0.25W Axial	51/1040/03K3
R185	Resistor 470K 5% 0.25W SM1206	51/3380/470K
R186	Resistor 10 5% 0.25W Axial	51/1040/0010

B PARTS LIST

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
R187	Resistor 100K 5% 0.25W Axial	51/1040/100K
R188	Resistor 10K 5% 0.25W Axial	51/1040/010K
RN1	Resistor Pack 100K X8 DIP16	52/2002/100K
RN2	Resistor Pack 10K SIP10	52/2002/010K
RV1	Trimpot 10K 1 turn Vertical	53/1020/010K
RV3	Trimpot 10K Multi-turn Horizontal	53/2060/010K
RV4	Trimpot 10K Multi-turn Horizontal	53/2060/010K
RV5	Trimpot 10K Multi-turn Horizontal	53/2060/010K
T1	Transformer Line 600 Ohm	37/2040/5065
U1	IC Mixer Receiver NE612N	25/2050/612N
U2	IC Dual OP Amplifier MC3458	25/2050/3458
U3	IC IF Amplifier LIM Disc NE614	25/2020/614A
U4	IC Frequency SYN MB1501 SO16S	26/2000/1501
U5	IC Audio Amplifier TDA2003	25/2070/2003
U6	IC Volt Regulator LM7805	25/2040/7805
U7	IC Quad Nand 74C00 DIP14	26/2031/4C00
U11	IC 3 State BUF 74HC244N	26/2030/244N
U12	IC Socket 28 Pin	35/4200/2830
U12	Prog. 05/9115 /R11 IC EPROM 27C256	26/2090/C256
U13	IC 8 Bit Latch 74HC573N	26/2030/C573
U14	IC Micro Super MC34064P	26/2000/064P
U15	IC Micro 68HC11A1P	26/2000/HC11
U16	IC RS232 Inter MAX232C	26/2001/232C
U17	IC Analogue Gate MC14066B	26/2040/4066
U22	IC Dual OP Amplifier MC1458B	25/2050/1458
U24	IC Hex Inverted CD4049	26/2040/4049
U26	IC Quad OP Amplifier TS274IN	25/2050/274C
U27	IC Quad OP Amplifier TS274IN	25/2050/274C
U28	IC Quad OP Amplifier TS274IN	25/2050/274C
XF1	Crystal Filter	33/2000/45MZ
XF2	Crystal Filter	33/2000/45MZ
XO1	TCXO 12.8 MHz, 1 PPM	32/3031/12.8
Y1	Crystal,45.455 HC-45/U	32/2045/M455
Y2	Crystal 4.0MHz	32/2049/04M0
Y3	Crystal 8.0MHz	32/2049/08M0

Parts specific to R350A (350 – 380 MHz)

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
C1	Capacitor 10P 5% 63V NPO SM120	46/3300/010P
C6	Capacitor 4P7 5% 63V NP0 SM120	46/3300/04P7
CR1	RFT Coaxial Resonator	12/0001/T400
R3	Resistor 680 5% 0.25W SM1206	51/3380/0680
FL1	Helical Filter, 350 - 380 MHz	37/1060/A360
FL2	Helical Filter, 350 - 380 MHz	37/1060/A360
FL3	Helical Filter, 350 - 380 MHz	37/1060/A360

Parts specific to R350B (375 – 400 MHz)

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
C1	Capacitor 10P 5% 63V NPO SM120	46/3300/010P
C6	Capacitor 4P7 5% 63V NP0 SM120	46/3300/04P7
CR1	RFT Coaxial Resonator	12/0001/T400
R3	Resistor 680 5% 0.25W SM1206	51/3380/0680
FL1	Helical Filter, 375 - 400 MHz	37/1060/A380
FL2	Helical Filter, 375 - 400 MHz	37/1060/A380
FL3	Helical Filter, 375 - 400 MHz	37/1060/A380

Parts specific to R350C (330 – 360 MHz)

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
C1	Capacitor 10P 5% 63V NPO SM120	46/3300/010P
C6	Capacitor 4P7 5% 63V NP0 SM120	46/3300/04P7
CR1	RFT Coaxial Resonator	12/0001/T350
R3	Resistor 680 5% 0.25W SM1206	51/3380/0680
FL1	Helical Filter, 330 - 360 MHz	37/1060/956A
FL2	Helical Filter, 330 - 360 MHz	37/1060/956A
FL3	Helical Filter, 330 - 360 MHz	37/1060/956A

Parts specific to R350D (300 – 335 MHz)

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
C1	Capacitor 10P 5% 63V NPO SM120	46/3300/010P
C6	Capacitor 4P7 5% 63V NP0 SM120	46/3300/04P7
CR1	RFT Coaxial Resonator	12/0001/T400
R3	Resistor 680 5% 0.25W SM1206	51/3380/0680
FL1	Helical Filter, 300 - 335 MHz	37/1060/0315
FL2	Helical Filter, 300 - 335 MHz	37/1060/0315
FL3	Helical Filter, 300 - 335 MHz	37/1060/0315

Parts specific to R500A (403 – 420 MHz)

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
C1	Capacitor 1N 5% 63V NPO SM120	46/3300/01N0
C6	Capacitor 2P2 5% 63V NP0 SM120	46/3300/02P2
CR1	RFT Coaxial Resonator	12/0001/R400
R3	Resistor 220 5% 0.25W SM1206	51/3380/0220
FL1	Helical Filter, 403 – 420 MHz	37/1060/7410
FL2	Helical Filter, 403 – 420 MHz	37/1060/7410
FL3	Helical Filter, 403 – 420 MHz	37/1060/7410

Parts specific to R500D (430 – 450 MHz)

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
C1	Capacitor 1N 5% 63V NPO SM120	46/3300/01N0
C6	Capacitor 2P2 5% 63V NP0 SM120	46/3300/02P2
CR1	RFT Coaxial Resonator	12/0001/R450
R3	Resistor 220 5% 0.25W SM1206	51/3380/0220
FL1	Helical Filter, 430 – 450 MHz	37/1060/7435
FL2	Helical Filter, 430 – 450 MHz	37/1060/7435
FL3	Helical Filter, 430 – 450 MHz	37/1060/7435

Parts specific to R500B (450 – 490 MHz)

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
C1	Capacitor 1N 5% 63V NPO SM120	46/3300/01N0
C6	Capacitor 2P2 5% 63V NP0 SM120	46/3300/02P2
CR1	RFT Coaxial Resonator	12/0001/R450
R3	Resistor 220 5% 0.25W SM1206	51/3380/0220
FL1	Helical Filter, 450 – 490 MHz	37/1060/7460
FL2	Helical Filter, 450 – 490 MHz	37/1060/7460
FL3	Helical Filter, 450 – 490 MHz	37/1060/7460

Parts specific to R500C (485 – 520 MHz)

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
C1	Capacitor 1N 5% 63V NPO SM120	46/3300/01N0
C6	Capacitor 2P2 5% 63V NPO SM120	46/3300/02P2
CR1	RFT Coaxial Resonator	12/0001/R450
R3	Resistor 220 5% 0.25W SM1206	51/3380/0220
FL1	Helical Filter, 485 – 520 MHz	37/1060/7505
FL2	Helical Filter, 485 – 520 MHz	37/1060/7505
FL3	Helical Filter, 485 – 520 MHz	37/1060/7505

Channel Spacing parts for all R350 – R500 12.5 KHz

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
R15	Resistor 470 5% 0.25W Axial	51/1040/0470
R24	Resistor 33K 5% 0.25W Axial	51/1040/033K
CF1	Filter Ceramic CFR455G	34/2000/CFSG

Channel Spacing parts for all R350 – R500 25.0 KHz

<u>Ref.</u>	<u>Description</u>	<u>Part Number</u>
R15	Resistor 10 5% 0.25W Axial	51/1040/0010
R24	Resistor 22K 5% 0.25W Axial	51/1040/022K
CF1	Filter Ceramic CFR455D	34/2000/CFRD

Mechanical Parts

	Heatsink, Receiver & TX	80/9107/0001
	Screw M3x6 TT Panhead Plated BZ	70/M355/0006
	Washer M3 Flat Steel Bright Zinc	71/M315/0001
	Washer M3 Shockproof Steel Bright Zinc	71/M325/0001
SEE OVERLAY		
	Jumper	35/7859/1024
(10/9101/0001, issue 2)		
	Cover Plain Module	80/9101/0001
	Rear Panel, Receiver and Transmitter	80/9102/0001
	Front Sub-Panel, Receiver and Transmitter	80/9121/0001
	Front Panel, Receiver	80/9104/0001
	Panel, Receiver Top	80/9105/0001
	Panel, Receiver Bottom	80/9106/0001
	Screw M3x10 Panhead Plated Bright Zinc	70/M325/0010
	Screw M3x6 CSK Plated Bright Zinc	70/M315/0006
	Screw M3x6 Panhead Plated Bright Zinc	70/M325/0006
	Screw 4-40x6 CSK Plated Bright Zinc	70/4415/0006
	Washer M3 Shockproof Steel Bright Zinc	71/M325/0001
	Nut M3 Steel Bright Zinc	72/M315/0001
	GND LUG M3 Utilux H254	39/M301/H254
S1	Switch MIN Toggle SPDT	31/7101/SYZB
	Lock RING for 7101 Switch	31/7101/7007
	Lock Washer for 7101 Switch	31/7101/7003
	Dress Nut for 7101 Switch	31/7101/7099
	Volume Control 1K Log 1/4	53/0001/1K0L
	Knob Collet 1/4	79/S151/250B
	Knob Capacitor 15mm Matt Black	79/C151/MBlack

B PARTS LIST

Ref.	Description	Part Number
	Nut Cover 15mm Matt Black	79/N151/MBlack
	Loudspeaker 50mm	38/5008/0001
	N Con Sldr Term Flng Mt	35/50NS/FLNG
	Pawl Latch Dzus DP109SAC	76/0001/0001
	Handle 1.25X.156 Black	76/0002/125B
	Handle Ferrule .156 Black	76/0003/156B
	Jumper	35/7859/1024
	Foam Rubber Sheet Self Adhesive	93/5125/0001
	Grill Cloth Black	92/0001/0001
	Label Receiver Front Panel	81/9101/0001
	Wire 7x.2 T/C PVC INS Black	36/7X2P/BLACK
	Wire 7x.2 T/C PVC INS Brown	36/7X2P/BRN
	Wire 7x.2 T/C PVC INS Red	36/7X2P/RED
	Wire 7x.2 T/C PVC INS White	36/7X2P/WHT
	Cable 2x7x.25 Gray Figure 8	36/7X2T/GRY
	Shield, Exciter End	80/9138/0001
	Shield, Receiver Long Side	80/9140/0001
	Shield, Receiver Short Side	80/9141/0001
	Shield, Receiver IF End	80/9142/0001
	Shield, Receiver Synthetic Partition	80/9143/0001
	Shield, Receiver RF End	80/9144/0001
	Shield, Receiver VCO Cover	80/9145/0001
	Screw M3x10 CSK Plated Bright Zinc	70/M315/0010
	Washer M3 FLAT Steel Bright Zinc	71/M315/0001
	Shield, VHF Receiver IF	80/9167/0001
	Shield, Rx Input	80/9161/0001
	Screw 4-40x6 Panhead Plated Bright Zinc	70/4425/0006