

Compiled By: FYNN ROBERT

Serial Number: YES

First Issue Number: FIN 680

Item	Part Number	Part Description	UM	Qty
3	A-2033-1107-03	MP7/9 BATTERY HOUSING		1
6	A-2107-0031-02	SHANK ADAPTOR PLATE ASSY.		1
9	A-2107-0040-01	PROBE TOOL KIT		1
12	A-2249-0010-06	RMP ASSEMBLY		1
15	A-2249-0018-01	MP18 BATTERY COVER ASSEMBLY		1
24	M-2015-7541-03	BASE		1
27	M-2015-7542-03	LID		1
30	P-BA03-0800	D8 STEEL BALL		1
33	P-BT03-0001	BATTERY 9V 500mAH		1
36	P-SC04-0812	M8 X 12 CONE PT GRUBSCREW		2
42	P-SC31-0512	SKT.HD.CAP SCREW M5 X 12 LOW HD.		4
47	P-WM03-0001	BAG SELF SEALING 2.25"x3"		1
48	P-WM03-0002	BAG SELF SEALING 3.5" X 4.5"		2
49	P-WM03-0003	BAG S/SEAL 7.5 X 7.5 IN		1
51	P50031	DESSICANT		1
53	P10083	50 SHANK SUPPORT BLOCK		1

COMMENTS:

RENISHAW

## PARTS LIST

RMP ASSEMBLY

A-2249-0010-06-A

Compiled By: FYNN ROBERT

Serial Number: NO

First Issue Number: FIN 680

Item	Part Number	Part Description	UM	Qty
1	A-2249-0680-01-A	TRANSMITTER ASSEMBLY		1
3	A-2249-0580-03	CENTRIFUGAL SWITCH PWB		1
5	A-2249-0640-03	3 STACK PWB ASSEMBLY		1
7	M-2033-0973-01	LED SEAL		6
8	M-2137-0564-01	MK2 LABEL		1
9	M-2249-0021-01	SLEEVE		1
11	M-2249-0028-04	SWITCH PWB SUPPORT		1
13	M-2249-0030-04	RMP3 HOUSING		1
15	M-2249-0035-03	INSULATOR		1
17	M-2249-0700-01	NEW RADIO APPROVAL LABEL		1
18	M-2249-0116-01	FOAM 41 DIA		1
19	M-2249-0118-02	FOAM 30 DIA.		1
22	M-2249-0123-01	ANTENNA CLAMP		1
23	M-2249-0132-02	MOBILE SCREEN		1
25	M-2249-0130-01	FOAM 115X8		1
26	M-2249-0133-03	EMITTER CABLE		1
27	P-PA01-1014	TRANSMITTER		1
28	P-CN29-0020	PGL CABLE FLEX JUMPER 0.5 20W		1
29	P-PA02-1013	DETECTOR +/- 75^		4
31	P-RS02-0028	'O' RING		1
33	P-SC35-0304	SCREW NYLON M3 x 4		2
35	P-SC45-S204	M2X4 PAN HEAD SCREW		6
36	P-SX02-0001	SOLDER WIRE - NO CLEAN		A/R
37	P-VT01-1022	LED RED/GREEN		1
40	P10097	ANTI STATIC BAG 150 X 250		1
41	P-LU03-0017	ELECTROLUBE 2GX		A/R
42	P-LU03-0018	GREASE - ALBIDA R2		A/R
51	M-2249-0621-02	ANTENNA FLEXI		1
52	P-WA21-0020	WASHER STAR M2 INT		2

COMMENTS :



**RENISHAW**PARTS LIST  
COMPACT RADIO OPTIC PWB**A-2249-0500-03-C**

Compiled By: kt110723

Date: 08-Mar-2001

Serial Number: NO

Issue Number: FIN 699

Sheet Number: 1 of 2

Item	Part Number	Part Description	Qty	Reference
1				
3				
4				
5				
6				
7				
8	M-2249-0034-03	POT CORE INDUCTOR ASSY - 48mH	1	L1
9	P-CP14-03N3	SM CAP 3n3 1210 1% NPO 50V	1	C21
10	P-CP14-04N7	SM CAP 4n7 1210 1% NPO 50V	1	C22
11	P-CP14-1N03	SM CAP 1nF 0603 5% NPO 50V	4	C5, C10, C11, C14
12	P-CP14-2N21	SM CAP 2.2nF 0603 5% NPO 50V	1	C19
13	P-CP14-M102	SM CAP 100n 0603 Y5V 25V	3	C6, C9, C25
14	P-CP14-N221	SM CAP 220pf 0603 5% NPO 50V	1	C15
15	P-CP15-100M	CAP AL 100uF 10V 20% SM	1	C18
16	P-CP16-10M2	SM CAP 10u C 20% TANT 16V	1	C12
17	P-CP22-22N0	SM CAP 22N 0603 X7R 10%	4	C13, C16, C17, C20
18	P-CP22-27P0	SM CAP 27P 0603 COG 5%	2	C4, C8
19	P-CP22-47P0	SM CAP 47P 0603 COG 5%	2	C3, C7
20	P-CP22-N471	SM CAP 470P 0603 COG 5% 50V	1	C1
21	P-DD07-012V	SM DIODE Zener 12V 5% 300mW	1	D3
22	P-DD08-0006	SM SCHOTTKY DIODE 30V 200mA	4	D1, D2, D5, D6
23	P-ML01-0281	SM OP281 OPAMP DUAL ULP RL-RL	1	IC2
24	P-ML04-0923	SM MAX923 COMP DUAL ULP	1	IC3
25	P-ML07-1061	SM BCV61C ARRAY 2 CURRENT MIR	1	TR1
26	P-ML10-0013	SM MAX4515 AN-SW SPST N/C	1	IC1
27	P-RF35-001M	SM RES 1M 0603 1% 200ppm	4	R3, R9, R16, R21
28	P-RF35-010K	SM RES 10K 0603 1% 200ppm	1	R31
29	P-RF35-01K0	SM RES 1K0 0603 1% 200ppm	1	R39
30	P-RF35-02K2	SM RES 2K2 0603 1% 200ppm	3	R17, R20, R33
31	P-RF35-033R	SM RES 33R 0603 2% 200ppm	1	R35
32	P-RF35-03M3	SM RES 3M3 0603 5% 200ppm	2	R6, R12
33	P-RF35-047K	SM RES 47K 0603 1% 200ppm	1	R40
34	P-RF35-047R	SM RES 47R 0603 2% 200ppm	1	R34
35	P-RF35-04K7	SM RES 4K7 0603 1% 200ppm	2	R8, R14
36	P-RF35-04M7	SM RES 4M7 0603 5% 200ppm	1	R22
37	P-RF35-06M8	SM RES 6M8 0603 5% 200ppm	2	R4, R10
38	P-RF35-100K	SM RES 100K 0603 1% 200ppm	5	R26, R28, R36, R38, R41
39	P-RF35-220K	SM RES 220K0603 1% 200ppm	1	R15
40	P-RF35-220R	SM RES 220R 0603 1% 200ppm	1	R2
41	P-RF35-22K0	SM RES 22K 0603 1% 200ppm	1	R32
42	P-RF35-270K	SM RES 270K 0603 1% 200ppm	2	R5, R11
43	P-RF35-330K	SM RES 0603 330K 1% 100ppm	1	R29
44	P-RF35-470K	SM RES 470K 0603 1% 200ppm	2	R7, R13
45	P-RF35-680K	SM RES 680K 0603 1% 200ppm	2	R19, R27
46	P-RF35-A2M2	SM RES 2M2 0603 1% 200ppm	7	R1, R18, R23, R24, R25, R30, R37
47	P-TR03-1025	SM TRANSISTOR ZVN4106F N-FET	1	TR7
48	P-TR03-1034	SM TRANSISTOR VP0610T P-FET	2	TR9, TR10

FCC ID: KQG RMP3-224



Compiled By: kt110723

Date: 08-Mar-2001

Serial Number: NO

Issue Number: FIN 669

Sheet Number: 1 of 1

Item	Part Number	Part Description	Qty	Reference
1				
2				
3				
4				
5				
6				
7				
8	A-2137-0560-02	POT CORE INDUCTOR ASSY - 250uH	1	L1
9	P-CN02-5006	PLG HED 6W SM	1	PL1
10	P-CP04-68M0	CAP AL 68uF 10V 20% RAD	1	C18
11	P-CP14-4N73	SM CAP 4n7 0603 10% X7R 50V	2	C16, C17
12	P-CP14-M102	SM CAP 100n 0603 Y5V 25V	11	C1, C2, C5, C6, C7, C8, C10, C12, C13, C20, C21
13	P-CP14-N221	SM CAP 220pf 0603 5% NPO 50V	1	C15
14	P-CP16-1M00	SM CAP 1u A 10% TANT 16V	2	C9, C19
15	P-CP16-22M1	SM CAP 22u D 10% TANT 16V	1	C14
16	P-CP22-10N0	SM CAP 10N 0603 X7R 10%	1	C11
17	P-CP22-220N	SM CAP Y5V 220nF 16V 0603	1	C22
18	P-CP22-N101	SM CAP 100P 0603 COG 5%	2	C3, C4
19	P-CT02-0013	SM CERAMIC RESONATOR 1mHz +-0.	1	XT1
20	P-DD08-0003	SM DIODE SCHOTTY 40V 1.0A	1	D4
21	P-DD08-0006	SM SCHOTTKY DIODE 30V 200mA	4	D2, D6, D7, D8
22	P-DD09-1000	SM DIODE 80V 225mA	14	D1, D3, D5, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19
23	P-MF01-1087	SM VOLTAGE MONITOR 4.38V	1	IC6
24	P-ML01-0281	SM OP281 OPAMP DUAL ULP RL-RL	1	IC7
25	P-MP10-1685	SM UCONT 8BIT 10MHz PIC16F84	1	IC5
26	P-MR01-405P	SM LP2982 VOLT REG +5V 50mA	3	IC1, IC2, IC3
27	P-MR05-0003	SM MAX750A SWIT REG SADI .45A	1	IC4
28	P-RF35-001M	SM RES 1M 0603 1% 200ppm	11	R3, R5, R6, R10, R12, R16, R17, R19, R21, R22, R24
29	P-RF35-01K5	SM RES 1K5 0603 1% 200ppm	1	R13
30	P-RF35-047K	SM RES 47K 0603 1% 200ppm	1	R9
31	P-RF35-100K	SM RES 100K 0603 1% 200ppm	7	R1, R2, R4, R7, R11, R15, R20
32	P-RF35-100R	SM RES 100R 0603 1% 200ppm	1	R14
33	P-RF35-10M0	SM RES 10M 0603 5% 200ppm	1	R25
34	P-RF35-270K	SM RES 270K 0603 1%200ppm	1	R8
35	P-RF35-A2M2	SM RES 2M2 0603 1% 200ppm	2	R18, R23
36	P-RV04-001M	SM TRIM 100K 10% 0.25W 100pp	1	RV1
37	P-TR03-1025	SM TRANSISTOR ZVN4106F N-FET	1	TR1
38	C-2249-0520-03	CIRCUIT DIAGRAM	REF	
39	D-2249-0528-02	TEST POINT DRAWING	REF	



**RENISHAW**

## PARTS LIST

COMPACT RADIO FPGA PCB

**A-2249-0540-05-A**

Compiled By: hl114160

Date: 08-Oct-2001

Serial Number: NO

Issue Number: FIN 669

Sheet Number: 1 of 1

Item	Part Number	Part Description	Qty	Reference
1				
2				
3				
4				
5				
6				
7				
8	A-2249-0031-01	TRANSFORMER 90/18 TURNS	1	T1
9	A-2249-0033-02	SM RMP2 FPGA	1	IC1
10	P-CN02-5020	SKT FLEX 20W SM HOR	1	SK1
11	P-CP14-33P1	SM CAP 33pF 0603 5% NPO 50V	1	C16
12	P-CP14-4N73	SM CAP 4n7 0603 10% X7R 50V	1	C18
13	P-CP14-M102	SM CAP 100n 0603 Y5V 25V	8	C7, C8, C11, C12, C14, C15, C17, C19
14	P-CP14-N221	SM CAP 220pf 0603 5% NPO 50V	1	C13
15	P-CP16-1M00	SM CAP 1u A 10% TANT 16V	1	C10
16	P-CP22-22P1	SM CAP COG 22pF 50V +/-5%	2	C4, C5
17	P-CT04-0003	SM XTAL 4.0MHz 50ppm	1	XTAL1
18	P-DD09-1000	SM DIODE 80V 225mA	6	D2, D4, D5, D6, D7, D8
19	P-ML01-1068	SM LP324 OPAMP QUAD VFB	1	IC4
20	P-RF35-01M2	SMRES 1M2 0603 1% 100ppm 50V	2	R19, R46
21	P-RF35-02M2	SMRES 2M2 0603 1% 100ppm 50V	2	R44, R50
22	P-RF35-03K3	SMRES 3K3 0603 1% 100ppm 50V	3	R38, R39, R58
23	P-RF35-047K	SMRES 47K 0603 1% 100ppm 50V	6	R2, R7, R12, R23, R32, R37
24	P-RF35-04M7	SM RES 4M7 0603 5% 200ppm	2	R17, R24
25	P-RF35-07K5	SMRES 7K5 0603 1% 100ppm 50V	1	R57
26	P-RF35-100K	SMRES 100K 0603 1% 100ppm 50V	6	R42, R48, R52, R53, R54, R59
27	P-RF35-10M0	SM RES 10M 0603 5% 200ppm	1	R15
28	P-RF35-10R0	SMRES 10R 0603 1% 100ppm 50V	1	R14
29	P-RF35-120K	SMRES 102K 0603 1% 100ppm 50V	6	R1, R8, R9, R25, R26, R31
30	P-RF35-160K	SMRES 160K 0603 1% 100ppm 50V	1	R45
31	P-RF35-27K0	SMRES 27K0 0603 1% 100ppm 50V	7	R4, R5, R16, R18, R34, R35, R56
32	P-RF35-33K0	SMRES 33K0 0603 1% 100ppm 50V	6	R3, R6, R13, R21, R33, R36
33	P-RF35-39K0	SMRES 39K 0603 1% 100ppm 50V	1	R55
34	P-RF35-470K	SMRES 470K 0603 1% 100ppm 50V	2	R49, R51
35	P-RF35-680K	SMRES 680K 0603 1% 100ppm 50V	1	R47
36	P-RF35-68K0	SMRES 68K 0603 1% 100ppm 50V	1	R20
37	P-RF35-750K	SMRES 750K 0603 1% 100ppm 50V	1	R30
38	P-TR02-1006	SM TRANSISTOR BC817 NPN	1	TR1
39	C-2249-0540-05	CIRCUIT DIAGRAM	REF	
40	D-2249-0548-04	TEST POINT DRAWING	REF	

FCC ID: KQG RMP3-224









TITLE: COMPACT RADIO 224 MHz TX PWB

Compiled By: dh1015

Date: 23-Jan-2002

Serial Number: NO

Issue Number: FIN 686

Sheet Number: 1 of 2

Item	Part Number	Part Description	Qty	Reference
1	M-2249-0561-03	COMPACT RADIO - 433MHz TX PWB	1	
2				
3				
4	M-2249-0040-01	SCREENING CAN (WALL & LID)	1	
5				
6	M-2249-0036-01	TUNING COIL 4 TURNS 90° LEADS	1	L2
7				
8				
9	P-CN02-5020	SKT FLEX 20W SM HOR	1	SK1
10	P-CN15-0010	SM COAX SKT 1W V. LOW PROFILE	1	PL1
11	P-CP14-03P0	SM CAP COG 3p 50V +/-0.25pf 060	1	C14
12	P-CP14-33P1	SM CAP 33pF 0603 5% NPO 50V	1	C17
13	P-CP14-4N73	SM CAP 4n7 0603 10% X7R 50V	4	C6,C9,C27, C32
14	P-CP14-M102	SM CAP 100n 0603 Y5V 25V	6	C3,C12,C28, C30,C31,C33
15	P-CP16-01M0	SM CAP 1uF B 10% TANT 25V	1	C2
16	P-CP16-2M21	SM CAP 2u2 A 10% TANT 10V	2	C4,C29
17	P-CP16-47M0	SM CAP 47u D 10% TANT 10V	1	C1
18	P-CP22-01P8	SM CAP COG +/-0.25pF 50V	1	C23
19	P-CP22-02P0	SM CAP COG 2p 50V +/-0.25pF	1	C8
20	P-CP22-02P7	SM CAP COG 2.7pF 50V +/-0.25pF	1	C22
21	P-CP22-05P0	SM CAP COG 5pF 50V +/-0.5pF	1	C13
22	P-CP22-100P	SM CAP COG 100pF 50V +/-5%	2	C18,C20
23	P-CP22-10N0	SM CAP 10N 0603 X7R 10%	2	C19,C26
24	P-CP22-10P0	SM CAP 10P 0603 COG 5% 50V	3	C16,C21,C25
25	P-CP22-12P0	SM CAP 12P 0603 COG 5%	1	C10
26	P-CP22-15P0	SM CAP 15P 0603 COG 5%	1	C24
27	P-CP22-18P0	SM CAP COG 18pF 50V +/-5%	1	C11
28	P-CP22-22N0	SM CAP 22N 0603 X7R 10%	1	C34
29	P-CP22-22P1	SM CAP COG 22pF 50V +/-5%	1	C7
30	P-CT01-08M0	TH XTAL 8MHz 5ppm	1	XTAL1
31	P-DD09-1000	SM DIODE 80V 225mA	1	D1
32	P-DD12-0002	SM DIODE VARIABLE CAP 28V	2	D2,D3
33	P-LX02-22N0	SM INDUCTOR FIX 22nH 0.5A 2%	3	L1,L3,L4
34	P-ML06-1017	SM UMA1017 FREQ SYNTH	1	IC1
35	P-MR01-405P	SM LP2982 VOLT REG +5V 50mA	1	VR2
36	P-MR10-5205	SM MIC5205 VOLT REG +ADJ 150mA	1	VR1
37	P-RF35-001M	SMRES 1M 0603 1% 100ppm 50V	1	R7
38	P-RF35-010K	SMRES 10K 0603 1% 100ppm 50V	2	R6,R19
39	P-RF35-018R	SMRES 18R 0603 1% 100ppm 50V	1	R18
40	P-RF35-02K2	SMRES 2K2 0603 1% 100ppm 50V	2	R5,R17
41	P-RF35-047K	SMRES 47K 0603 1% 100ppm 50V	4	R1,R11,R16, R21
42	P-RF35-047R	SMRES 47R 0603 1% 100ppm 50V	1	R4
43	P-RF35-04K7	SMRES 4K7 0603 1% 100ppm 50V	1	R10
44	P-RF35-100K	SMRES 100K 0603 1% 100ppm 50V	2	R8,R12
45	P-RF35-100R	SMRES 100R 0603 1% ppm 50V	1	R15
46	P-RF35-120K	SMRES 102K 0603 1% 100ppm 50V	1	R3
47	P-RF35-120R	SMRES 120R 0603 1% 100ppm 50V	1	R20

## TITLE: COMPACT RADIO 224 MHz TX PWB

Compiled By: dh1015

Date: 23-Jan-2002

Serial Number: NO

Issue Number: FIN 686

Sheet Number: 2 of 2

Item	Part Number	Part Description	Qty	Reference
48	P-RF35-18K0	SM RES 18K 0603 1% 200ppm	1	R22
49	P-RF35-22K0	SMRES 22K0 0603 1% 100ppm 50V	1	R13
50	P-RF35-330R	SMRES 330R 0805 1% 100ppm 50V	1	R24
51	P-RF35-33K0	SMRES 33K0 0603 1% 100ppm 50V	1	R9
52	P-RF35-360K	SMRES 360K 0603 1% 100ppm 50V	1	R2
53	P-RF35-39K0	SMRES 39K 0603 1% 100ppm 50V	1	R23
54	P-RF35-470R	SMRES 470R 0603 1% 100ppm 50V	1	R14
55	P-RV04-100K	SM TRIM 100K 10% 0.25W 100ppm	1	RV1
56	P-TR02-0025	SM TRANSISTOR BFT25A NPN	3	TR1, TR2, TR3
57	P-TR02-1002	SM TRANSISTOR BFR93 NPN	1	TR4
58	P10106	DISPLAY BOX LARGE STD		A/R
59	P10159	FOAM INSERT 284 X 184MM		A/R
60	C-2249-0560-03	CIRCUIT DIAGRAM		REF
61	T80170-03	PASTE TOOL		REF