

RENISHAW		PARTS LIST ONLY		A-2249-0250-01-A	
		RMP3 ASSEMBLY			
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	A-2249-0010-06-A	
		RMP ASSEMBLY		
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		A-2249-0500-03-C	
		COMPACT RADIO OPTIC PWB			
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	

RENISHAW		PARTS LIST		A-2249-0520-03-B	
		COMPACT RADIO - POWER/PIC PWB			
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					
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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		A-2249-0540-05-A	
		COMPACT RADIO FPGA PCB			
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					
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4					
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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		

RENISHAW		PARTS LIST		A-2249-0580-03-A	
		CENTRIFUGAL SWITCH PWB			
Compiled By: kt110723				Date: 8-JUNE-2001	
Serial Number: NO				Issue Number: 683	
				Sheet Number: 1 of 1	
Item	Part Number	Part Description	Qty	Reference	
1	M-2249-0581-02	CENTRIFUGAL SWITCH PWB	1		
2					
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7					
8	A-2137-0561-02	CENTRIFUGAL SWITCH	1	SW1	
9	P-CN40-0002	HEADER MIN 4 PIN	1	PL1	
10	P-CP01-10N6	CAP 10n 20% 100V X7R .2P	2	C1,C2	
11	P-FT03-0001	TH TRANS SUPP 30V 500W	2	VDR1,VDR2	
12	P-SC66-5205	SCREW PAN HD S/STEEL M2.5x5	2	SW1	
13	C-2249-0580-02	CIRCUIT DIAGRAM	REF		

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	