

EXI-202-A2 ROAM II RECEIVER PCA
(600-000011-000)
PARTS LIST

#	SITE	EXI#	PART	VALUE	Description	Manufacturer	Supplier	Quantity
01	C6	4-01111	T491D106K035AS	10 µF	capacitor, tantalum, SMD, 35V, 10%	KEMET	Electrosonic	1
02	C7,C8 ,C85	4-01105	T491B105K035AS	1.0 µF	capacitor, tantalum, SMD, 35V, 10%	KEMET	Electrosonic	3
03	C9	4-01113	T491C106K016AS	10 µF	capacitor, tantalum, SMD, 16V, 10%	KEMET	Electrosonic	1
04	C10 , C24, C86	4-01104	B37872K5104K62	100 nF	capacitor, SMD, 1206, 50V, 10%	SIEMENS	Electrosonic	3
05	C13, C106	4-01116	B37941K5103K62	10 nF	capacitor, SMD, 0805, 50V, 10%	SIEMENS	Electrosonic	2
06	C21, C22		B37940K5180J62	18pF	capacitor, SMD, 0805, 50V, 5%	SIEMENS	Electrosonic	2
07	C33,C83	4-01119	B37940K5560J62	56 pF	capacitor, SMD, 0805, 50V, 5%	SIEMENS	Electrosonic	2
08	C34,C90	4-01120	B37940K5561J62	560 pF	capacitor, SMD, 0805, 50V, 5%	SIEMENS	Electrosonic	2
09	C38	4-01117	T491B225K020AS	2.2 µF	capacitor, tantalum, SMD, 20V, 10%	KEMET	Electrosonic	1
10	C42,C43 ,C84, C100	4-01109	B37941K5102K62	1.0 nF	capacitor, SMD, 0805, 50V, 10%	SIEMENS	Electrosonic	4
11	C80,C81	4-01126	B37940K5220J62	22 pF	capacitor, SMD, 0805, 50V, 5%	SIEMENS	Electrosonic	2
12	C82	4-01127	B37940K5820J62	82 pF	capacitor, SMD, 0805, 50V, 5%	SIEMENS	Electrosonic	1
13	C87,C88, C104	4-01106	B37940K5330J62	33 pF	capacitor, SMD, 0805, 50V, 5%	SIEMENS	Electrosonic	3
14	C89	4-01128	B37940K5010C562	1.5 pF	capacitor, SMD, 0805, 50V, 5%	SIEMENS	Electrosonic	1
15	C98	1-01048	353-037-50221	220µF	capacitor, electrolytic, 35V, 20%	PHILIPS		1
16	C99, C105		B37940K5020C762	2.7 pF	capacitor, SMD, 0805, 50V, 5%	SIEMENS	Electrosonic	2
17	C101	4-01114	ECU-V1H050CCN	100 pF	capacitor, SMD, 0805, 50V, 5%	PANASONIC	Digi-Key	1
18	C102		B37940K5030C362	3.3 pF	capacitor, SMD, 0805, 50V, 5%	SIEMENS	Electrosonic	1
19								
20	L7, L8, L11	4-13424	ELJ-RE68NJF3	68 nH	inductor, SMD, 0603, 5%	PANASONIC	Digi-Key	3
21	L3, L10	4-13425	ELJ-RE47NJF2	47 nH	inductor, SMD, 0603, 5%	PANASONIC	Digi-Key	2
22	L4	4-13426	ELJ-RE18NJF2	18 nH	inductor, SMD, 0603, 5%	PANASONIC	Digi-Key	1

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23	R1, R180, R189	4-08171		2.7 kOhm	resistor, SMD, 0.5W, 2010, 5%			3
24	R13	4-08161		470 Ohm	resistor, SMD, 0.1W, 0805, 5%			1
25	R14	4-08162		12 kOhm	resistor, SMD, 0.1W, 0805, 5%			1
26	R15 ,R174,R175	4-08163		47 kOhm	resistor, SMD, 0.1W, 0805, 5%			3
27	R16, R60	4-08149		100 kOhm	resistor, SMD, 0.1W, 0805, 5%			2
28	R176	4-08194		18 kOhm	resistor, SMD, 0.1W, 0805, 5%			1
29	R181	4-08152		4.7 kOhm	resistor, SMD, 0.1W, 0805, 5%			1
30	R182	4-08196		390 kOhm	resistor, SMD, 0.1W, 0805, 5%			1
31	R187	4-08158		82 Ohm	resistor, SMD, 0.5W, 2010, 5%			1
32	R190, R191			160 Ohm	resistor, SMD, 0.5W, 2010, 5%			2
33	R192, R193			0 Ohm	resistor, SMD, 0.1W, 0805			2
34	R32	4-08167		22 Ohm	resistor, SMD, 0.1W, 0805, 5%			1
35	R33,R34	4-08168		33 kOhm	resistor, SMD, 0.1W, 0805, 5%			2
36	R35,R36	4-08169		820 Ohm	resistor, SMD, 0.1W, 0805, 5%			2
37	R38	4-08176		1.0 kOhm	resistor, SMD, 0.1W, 0805, 5%			1
38	R57	4-08178		5.1 kOhm	resistor, SMD, 0.1W, 0805, 5%			1
39	R58	4-08179		24 kOhm	resistor, SMD, 0.1W, 0805, 5%			1
40	R59	4-08180		51 kOhm	resistor, SMD, 0.1W, 0805, 5%			1
41	R61	4-08181		200 kOhm	resistor, SMD, 0.1W, 0805, 5%			1
42	R88, R188	4-08166		10 kOhm	resistor, SMD, 0.1W, 0805, 5%			2
43	R95, R96	4-08202		1.5 kOhm	resistor, SMD, 0.1W,0805,5%			2
44	R98	4-08204		390 Ohm	resistor, SMD, 0.1w, 0805, 5%			1
45	R173			150kOhm	resistor, SMD, 0.1W, 0805, 5%			1
46								
47								
48	D1	4-03019	DL4002		diode, SMD,1A, 100V	NS		1
49	D10, D14	4-03021	MMBD914LT1		diode, SMD, 70V, 200mA	MOTOROLA		2
50	D12,D13	4-03022	MLL4736		ZENER diode, SMD, 6.8V, 1W	MOTOROLA / NS		2
51	D2	1-13119	HLMP-1302-010		LED, red	HEWLET-PACK	Electrosonic	1
52	D32	1-13115	HLMP-1523-010		LED, green	HEWLET-PACK	Electrosonic	1
53	D34	1-13121	HLMP-1402-010		LED, yellow	HEWLET-PACK	Electrosonic	1
54								
55	DV1	4-03027	SMV1235-011(1104-35)		VARACTOR diode	ALPHA		1
56								
57	Q6, Q14, Q15, Q31	4-11016	MMBT3904LT1		transistor, NPN, SMD	MOTOROLA		4

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58	Q1		MMBR941LT1		transistor, NPN, SMD	MOTOROLA	Active/Fai	1
59	U11	4-04112	LM2904D		dual OP-AMP, SMD	MOTOROLA	Active/FAI	1
60	U16	4-04109	PIC16C63-20/P		microcontroller	MICROCHIP	Active/FAI	1
61	U16.1 (SOCKET for U16)		1-09007		28 PIN SOCKET, 300 MILS WIDE,	Robinson Nugen	Active/FAI	1
62	U3,U4	4-04106	MC78L05		voltage regulator, TO-92, 5V, 100mA	MOT., TI	Active/FAI	2
63	U5	4-04107	KESRX01		ASK RF receiver, SMD	GEC Plessey	GMA	1
64	U75	1-13271	LM7812		voltage regulator, TO-220, 12V, 1 amp	NATIONAL	Active/FAI	1
65	U75.1		385-257		4-40, 1/4" pan-head machine screw	SPAENAU		1
66	U75.2		B-753		4-40 hex machine screw nut	SPAENAU		1
	U75.3		54-SN		No. 4 tooth lockwasher	SPAENAU		1
67	F1	4-13429	218.500		fuse, 0.5A, slow blow	LITTLEFUSE		1
68	F1.1	1-13073	111501		fuse clip	LITTLEFUSE		2
69								
70	RY1	1-13189	G6A-274P-ST-US-DC12		relay, DPDT,2A	OMRON	Electrosonic	1
71								
72	X1	4-13431	A-20.000000-18	20 MHz	crystal	RALTRON	Electrosonic	1
73	X4	4-13434	A-6.77578-18	6.77578 MHz	crystal	RALTRON	Electrosonic	1
74	X1.1, X4.1		CI-192-028		crystal Insulators for X1 & X4	BIVAR		2
75								
76	SF1		RF1172	433.92 MHz	SAW filter	RFM	Kaytronics	1
77	SF1.1		520-021		SAW filter insulator	BIVAR	Active/FAI	1
78	S7	4-10025	DRD16		switch, rotary DIP, thru-hole	AUGAT	Electrosonic	1
79								
80	J6, J7	1-13348	TSW-103-14-T-S		terminal strip	SAMTEC		2
81	J6.1, J7.1	1-13335	cat.# 36-100-0		shunt	MODE	Electrosonic	2
82								
83	P1	4-02077	590-001-00/50		connector, BNC, right-angle	A/D Electronics	A/D Electronics	1
84	P3	4-02094	120-M-411/10		header	WECO		1
85	P3.1	4-02093	120-A-111/10		horizontal plug	WECO		1
86								
87	TP2, TP6, TP10, GROUND PIN		TSW-101-14-T-S		terminal pin	SAMTEC		4
88								
89								
90			EXI-202-A2		PCB			1

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