

SECTION 7 PARTS LIST

<u>SYMBOL NUMBER</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>SYMBOL NUMBER</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>
DM3472 DATA TRANSCEIVER PART NO. 242-3472-X10			U 014	+8V voltage regulator 3-term	544-2003-009
			Z 204	455 kHz ceramic data filter	532-2004-012
			Z 205	455 kHz ceramic data filter	532-2004-012
A 249	403-415 VCO assembly	023-3472-349	DL3472 TRANSCEIVER MODEM PART NO. 242-3472-XX2		
	416-430 VCO assembly	023-3472-449	A 001	9600 baud modem assembly	585-3000-161
	450-470 VCO assembly	023-3472-249	A 003	SMA cable assembly	416-1915-001
	470-480 VCO assembly	023-3472-549	A 004	Connector assembly	023-4184-031
	480-496 VCO assembly	023-3472-649	A 201	Power connector assembly	023-3472-004
	496-512 VCO assembly	023-3472-749	A 249	VCO assembly	023-3472-249
PA221	403-415 5 PPM RF final assem	023-3472-421	PA251	5 PPM RF assembly	023-3472-251
	416-430 5 PPM RF final assem	023-3472-421	PA259	RF board assembly	023-3472-259
	450-512 5 PPM RF assembly	023-3472-221			
PA229	403-415 RF board assembly	023-3472-429	EP001	Heat sink insulator TO-220	574-5005-060
	416-430 RF board assembly	023-3472-429	HW205	2-56 pan head philips ZPS	575-1602-012
	450-470 RF board assembly	023-3472-229	HW206	#4 philips flat 82 ZPS screw	575-1204-006
	470-480 RF board assembly	023-3472-229	HW207	4-40 pan head philips screw	575-0604-010
PA229	480-512 RF board assembly	023-3472-629	HW208	6-32 flat head philips ZPS	575-1206-304
J 001	14-pin single row receptacle	515-7110-214	HW209	2 x 0.013 lockwasher int NPB	596-2102-006
NP001	Serial number label (blank)	559-1154-003	HW210	2-56 x 0.063 nut NPB	560-2102-006
Z 204	455 kHz ceramic data filter	532-2004-012	HW211	4-40 machine panhead philips	575-1604-010
Z 205	455 kHz ceramic data filter	532-2004-012	HW212	4-40 x 0.094 nut NPB	560-2104-008
DL3472 WITH LOADER BOARD PART NO. 242-3472-X3X			HW213	#4 x 0.046 shoulder washer	596-4504-008
A 003	SMA cable assembly	416-1915-001	J 001	14-pin single row receptacle	515-7110-214
A 004	Connector assembly	023-4184-031	J 002	Socket strip	515-5006-285
A 249	VCO assembly	023-3472-249	MP103	0.032 x 0.375 x 0.375	574-3002-008
PA221	5 PPM RF assembly	023-3472-221	MP104	Mounting plate	017-2225-749
PA229	RF board assembly	023-3472-229	MP105	Heat sink	017-2225-885
PA330	Loader board assembly	023-3472-330	MP106	End plate (Modem)	017-2225-890
HW203	4-40 pan head philips ZPS	575-1604-010	MP107	End plate (Plain)	017-2225-892
HW204	4-40 x 0.094 nut NPB	560-2104-008	MP108	Housing extruded	014-0778-040
HW205	2-56 pan head philips ZPS	575-1602-012	Q 001	PNP TO-220 DY5H11	576-0002-059
HW206	#4 philips flat 82 ZPS screw	575-1204-006	Z 204	455 kHz ceramic data filter	532-2004-012
HW207	4-40 pan head philips screw	575-0604-010	Z 205	455 kHz ceramic data filter	532-2004-012
HW208	6-32 flat head philips ZPS	575-1206-304	RF ASSEMBLY PART NO. 023-3472-X21/-X29		
J 001	14-pin single row receptacle	515-7110-214	C 201	68 pF $\pm 5\%$ NPO 0805	510-3601-680
MP103	0.032 x 0.375 x 0.375	574-3002-008	C 202	3.3 pF $\pm 5\%$ NPO 0805	510-3601-339
MP104	Mounting plate	017-2225-749		(403-430 MHz)	
MP105	Heat sink	017-2225-885	C 202	27 pF $\pm 5\%$ NPO 0805	510-3601-270
MP106	End plate (Loader)	017-2225-891		(430-450 MHz)	
MP107	End plate (Plain)	017-2225-892	C 202	18 pF $\pm 5\%$ NPO 0805	510-3601-180
MP108	Housing extruded	014-0778-040		(450-480 MHz)	
R 214	24k ohm $\pm 5\%$ 0805 chip	569-0105-243			

PARTS LIST [Continued]

SYMBOL NUMBER	DESCRIPTION	PART NUMBER	SYMBOL NUMBER	DESCRIPTION	PART NUMBER
C 202	6.8 pF $\pm 5\%$ NPO 0805 (480-512 MHz)	510-3601-689	C 511	22 pF $\pm 5\%$ NPO 0805 (480-512 MHz)	510-3601-220
C 203	10 pF $\pm 5\%$ NPO 0805 (403-430 MHz)	510-3601-100	C 512	22 pF $\pm 5\%$ NPO 0805 (403-430 MHz)	510-3601-220
C 203	5.6 pF $\pm 5\%$ NPO 0805 (450-480 MHz)	510-3601-569	C 512	18 pF $\pm 5\%$ NPO 0805 (430-450 MHz)	510-3601-180
C 203	3.9 pF $\pm 5\%$ NPO 0805 (480-512 MHz)	510-3601-399	C 512	13 pF $\pm 5\%$ NPO 0805 (450-470 MHz)	510-3601-130
C 204	.1 μ F 35V tantalum SMD	510-2628-108	C 512	11 pF $\pm 5\%$ NPO 0805 (470-480 MHz)	510-3601-110
C 205	68 pF $\pm 5\%$ NPO 0805	510-3601-680	C 512	7.5 pF $\pm 5\%$ NPO 0805 (480-512 MHz)	510-3601-759
C 206	68 pF $\pm 5\%$ NPO 0805	510-3601-680	C 513	22 pF $\pm 5\%$ NPO 0805	510-3601-220
C 208	2.7 pF $\pm 5\%$ NPO 0805 (403-430 MHz)	510-3601-279	C 514	30 pF NPO 1206 chip	510-3602-300
C 208	1 pF $\pm 5\%$ NPO 0805 (450-480 MHz)	510-3601-109	C 515	30 pF NPO 1206 chip	510-3602-300
C 208	1.5 pF $\pm 5\%$ NPO 0805 (480-512 MHz)	510-3601-159	C 516	120 pF $\pm 5\%$ NPO 0805 chip	510-3601-121
C 209	68 pF $\pm 5\%$ NPO 0805	510-3601-680	C 517	.047 μ F $\pm 10\%$ X7R chip	510-3606-475
C 210	.001 μ F $\pm 10\%$ X7R 0805 chip	510-3605-102	C 518	120 pF $\pm 5\%$ NPO 0805 chip	510-3601-121
C 212	.01 μ F $\pm 10\%$ X7R 0805	510-3605-103	C 519	.047 μ F $\pm 10\%$ X7R chip	510-3606-475
C 213	4.7 pF $\pm 5\%$ NPO 0805	510-3601-479	C 520	4.7 pF $\pm 5\%$ NPO 1206 chip	510-3602-479
C 214	6.8 pF $\pm 5\%$ NPO 0805	510-3601-689	C 521	15 pF $\pm 5\%$ NPO 0805	510-3601-150
C 215	.01 μ F $\pm 10\%$ X7R 0805 chip	510-3605-103	C 522	4.7 pF $\pm 5\%$ NPO 1206 chip	510-3602-479
C 217	.01 μ F $\pm 10\%$ X7R 0805	510-3605-103	C 523	2.5-10 pF ceramic variable	512-1006-001
C 218	12 pF $\pm 5\%$ NPO 0805	510-3601-120	C 524	100 pF $\pm 5\%$ NPO 0805	510-3601-101
C 219	12 pF $\pm 5\%$ NPO 0805	510-3601-120	C 525	6.2 pF $\pm 5\%$ NPO 0805	510-3601-629
C 220	.1 μ F $\pm 10\%$ X7R 1210	510-3607-104	C 526	9.1 pF $\pm 5\%$ NPO 0805	510-3601-919
C 221	.1 μ F $\pm 10\%$ X7R 1210	510-3607-104	C 527	3.3 pF $\pm 5\%$ NPO 0805	510-3601-339
C 222	1 μ F 16V SMD tantalum	510-2625-109	C 528	2.7 pF $\pm 5\%$ NPO 0805	510-3601-279
C 223	.01 μ F $\pm 10\%$ X7R 0805	510-3605-103	C 529	470 pF $\pm 5\%$ NPO 0805	510-3601-471
C 224	.01 μ F $\pm 10\%$ X7R 0805	510-3605-103	C 530	47 pF $\pm 5\%$ NPO 0805	510-3601-470
C 225	.01 μ F $\pm 10\%$ X7R 0805	510-3605-103	C 531	5.6 pF $\pm 5\%$ NPO 0805 (403-480 MHz)	510-3601-569
C 226	.01 μ F $\pm 10\%$ X7R 0805	510-3605-103	C 531	1 pF $\pm 5\%$ NPO 0805 chip (480-512 MHz)	510-3601-109
C 227	.01 μ F $\pm 10\%$ X7R 0805	510-3605-103	C 532	33 pF $\pm 5\%$ NPO 0805	510-3601-330
C 401	68 pF $\pm 5\%$ NPO 0805	510-3601-680	C 533	120 pF $\pm 5\%$ NPO 0805	510-3601-121
C 402	68 pF $\pm 5\%$ NPO 0805	510-3601-680	C 535	1 pF $\pm 5\%$ NPO 0805 chip (403-415 MHz Only)	510-3601-109
C 403	68 pF $\pm 5\%$ NPO 0805	510-3601-680	C 801	1 μ F 16V SMD tantalum	510-2625-109
C 404	68 pF $\pm 5\%$ NPO 0805	510-3601-680	C 802	.1 μ F $\pm 10\%$ X7R 1210	510-3607-104
C 405	68 pF $\pm 5\%$ NPO 0805	510-3601-680	C 803	.01 μ F $\pm 10\%$ X7R 0805	510-3605-103
C 406	.1 μ F $\pm 10\%$ X7R 1210	510-3607-104	C 804	.01 μ F $\pm 10\%$ X7R 0805	510-3605-103
C 407	68 pF $\pm 5\%$ NPO 0805	510-3601-680	C 805	.1 μ F $\pm 10\%$ X7R 1210	510-3607-104
C 408	68 pF $\pm 5\%$ NPO 0805	510-3601-680	C 806	68 pF $\pm 5\%$ NPO 0805	510-3601-680
C 409	68 pF $\pm 5\%$ NPO 0805	510-3601-680	C 807	68 pF $\pm 5\%$ NPO 0805	510-3601-680
C 410	68 pF $\pm 5\%$ NPO 0805	510-3601-680	C 808	1.5 pF $\pm 5\%$ NPO 0805	510-3601-159
C 411	68 pF $\pm 5\%$ NPO 0805	510-3601-680	C 810	820 pF $\pm 5\%$ NPO 0805	510-3601-821
C 412	68 pF $\pm 5\%$ NPO 0805	510-3601-680	C 811	.022 μ F $\pm 10\%$ X7R chip	510-3606-223
C 502	470 pF $\pm 5\%$ NPO 0805 chip	510-3601-471	C 812	.001 μ F $\pm 10\%$ 0805	510-3605-102
C 503	120 pF $\pm 5\%$ NPO 0805 chip	510-3601-121	C 813	.1 μ F $\pm 10\%$ X7R 1210	510-3607-104
C 504	68 pF $\pm 5\%$ NPO 0805 (403-480 MHz)	510-3601-680	C 814	1 μ F 16V SMD tantalum	510-2625-109
C 504	39 pF $\pm 5\%$ NPO 0805 (480-512 MHz)	510-3601-390	C 815	.01 μ F $\pm 10\%$ X7R 0805	510-3605-103
C 507	.047 μ F $\pm 10\%$ X7R chip	510-3606-473	C 816	1 μ F 16V SMD tantalum	510-2625-109
C 508	1 μ F 16V SMD tantalum	510-2625-109	C 819	.001 μ F $\pm 10\%$ 0805	510-3605-102
C 509	470 pF $\pm 5\%$ NPO 0805 chip	510-3601-471	C 820	.01 μ F $\pm 10\%$ X7R 0805	510-3605-103
C 510	7.5 pF $\pm 5\%$ NPO 0805	510-3601-759	C 821	1 μ F 16V SMD tantalum	510-2625-109
C 511	27 pF $\pm 5\%$ NPO 0805 (403-480 MHz)	510-3601-270	C 822	.01 μ F $\pm 10\%$ X7R 0805	510-3605-103
			C 823	.01 μ F $\pm 10\%$ X7R chip	510-3606-103
			C 824	68 pF $\pm 5\%$ NPO 0805	510-3601-680

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C 851	2.5-9 pF vertical mono	512-1010-001	EP502	Ferrite bead	517-2502-007
C 852	2.2 pF $\pm 5\%$ NPO 0805	510-3601-279	HW851	Flat teflon washer	596-9400-004
C 853	1.5 pF $\pm 5\%$ NPO 0805 chip	510-3601-159	J 001	14-pin single row receptacle	515-7110-214
	2 pF $\pm 5\%$ NPO 0805 chip	510-3601-209	J 501	PC mt CX receptacle	515-3013-021
	2.7 pF $\pm 5\%$ NPO 0805 chip	510-3601-279	L 201	5.5T coil 22 AWG	542-0010-055
	3.3 pF $\pm 5\%$ NPO 0805 chip	510-3601-339	L 202	2.5T coil 26 AWG	542-0010-025
C 851	2.5-9 pF vertical mono	512-1010-001	L 203	5.5T coil 22 AWG (403-480 MHz)	542-0010-055
C 852	2.2 pF $\pm 5\%$ NPO 0805	510-3601-279	L 230	2.5T coil 26 AWG (480-512 MHz)	542-0010-025
C 853	1.5 pF $\pm 5\%$ NPO 0805 chip	510-3601-159	L 204	6.5T coil 22 AWG (403-480 MHz)	542-0010-065
	2 pF $\pm 5\%$ NPO 0805 chip	510-3601-209	L 204	3.5T coil 26 AWG (480-512 MHz)	542-0010-035
	2.7 pF $\pm 5\%$ NPO 0805 chip	510-3601-279	L 205	1 μ H $\pm 6\%$ 5mm variable	542-1012-015
	3.3 pF $\pm 5\%$ NPO 0805 chip	510-3601-339	L 206	1 μ H $\pm 6\%$ 5mm variable	542-1012-015
	3.9 pF $\pm 5\%$ NPO 0805 chip	510-3601-399	L 207	1 μ H $\pm 6\%$ 5mm variable	542-1012-015
	4.7 pF $\pm 5\%$ NPO 0805 chip	510-3601-479	L 208	680 μ H $\pm 5\%$ 5mm w/180 pF	542-1012-016
	5.1 pF $\pm 5\%$ NPO 0805 chip	510-3601-519	L 502	1 μ H SMD inductor	542-9001-109
	5.6 pF $\pm 5\%$ NPO 0805 chip	510-3601-569	L 503	2.5T .1 ID 26 AWG coil	542-2001-025
	6.2 pF $\pm 5\%$ NPO 0805 chip	510-3601-629	L 505	2.5T coil 22 AWG	542-0010-025
	6.8 pF $\pm 5\%$ NPO 0805 chip	510-3601-689	L 506	3.5T coil 22 AWG	542-0010-035
	7.5 pF $\pm 5\%$ NPO 0805 chip	510-3601-759	L 507	2.5T coil 22 AWG	542-0010-025
	8.2 pF $\pm 5\%$ NPO 0805 chip	510-3601-829	L 508	2.5T coil 22 AWG (403-430 MHz)	542-0010-025
	9.1 pF $\pm 5\%$ NPO 0805 chip	510-3601-919	L 508	1.5T coil 22 AWG (430-512 MHz)	542-0010-015
C 854	15 pF $\pm 5\%$ NPO 0805	510-3601-150	L 509	6.5T coil 22 AWG	542-0010-065
C 855	120 pF $\pm 5\%$ NPO 0805	510-3601-121	L 510	6.5T coil 22 AWG	542-0010-065
C 856	150 pF $\pm 5\%$ NPO 0805	510-3601-151	L 511	1 μ H SMD inductor	542-9001-109
C 857	120 pF $\pm 5\%$ NPO 0805	510-3601-121	L 512	6.5T coil 22 AWG	542-0010-065
C 861	68 pF $\pm 5\%$ NPO 0805	510-3601-680	L 801	.039 μ H SMD inductor	542-9001-397
C 863	68 pF $\pm 5\%$ NPO 0805	510-3601-680	L 861	.018 μ H SMD inductor	542-9001-187
C 864	2.7 pF $\pm 5\%$ NPO 0805 chip (403-480 MHz)	510-3601-279	L 862	.018 μ H SMD inductor	542-9001-187
C 864	2 pF $\pm 5\%$ NPO 0805 chip (480-512 MHz)	510-3601-209	MP201	Crystal filter shield	017-2225-699
C 865	22 pF $\pm 5\%$ NPO 0805	510-3601-220	MP501	Mounting disk for Q503	013-1723-081
C 866	68 pF $\pm 5\%$ NPO 0805	510-3601-680	MP502	Heatsink for Q503	017-2222-245
C 867	68 pF $\pm 5\%$ NPO 0805	510-3601-680	MP503	Heatsink mounting nut Q503	013-1723-077
C 868	2.2 pF $\pm 5\%$ NPO 0805 (403-480 MHz)	510-3601-229	MP851	Oscillator shield	017-2225-757
C 868	1.5 pF $\pm 5\%$ NPO 0805 chip (480-512 MHz)	510-3601-159	PC001	PC board	035-3472-030
C 869	3.3 pF $\pm 5\%$ NPO 0805 (403-430 MHz)	510-3601-339	Q 201	NPN SOT-23 MMBR5031	576-0003-606
C 869	2.2 pF $\pm 5\%$ NPO 0805 (450-480 MHz)	510-3601-229	Q 202	NPN SOT-23 MMBR5031	576-0003-606
C 869	1.5 pF $\pm 5\%$ NPO 0805 chip (480-512 MHz)	510-3601-159	Q 501	Si NPN high freq SOT-23	576-0003-628
CR201	Switching diode SOT-23	523-1504-002	Q 502	NPN 750 mW UHF/800 MHz	576-0004-098
CR501	Pin switching diode SOT-23	523-1504-001	Q 503	5W NPN UHF stud mount	576-0004-094
CR502	Pin switching diode SOT-23	523-1504-001	Q 801	RF amp/switch SOT-23	576-0003-659
CR503	5.1V zener SOT-23	523-2016-519			
CR504	5.1V zener SOT-23	523-2016-519			
CR505	Pin switching diode SOT-23	523-1504-001			
CR851	26-32 pF varicap 30V SOT-23	523-1504-014			
EP001	Crystal pin insulator minislots	018-1080-006			
EP002	2-pin crystal pin insulator	018-1080-001			
EP501	Ferrite bead SMD	517-2503-001			

PARTS LIST [Continued]

SYMBOL NUMBER	DESCRIPTION	PART NUMBER	SYMBOL NUMBER	DESCRIPTION	PART NUMBER
Q 851	Si PNP low noise SOT-23	576-0003-650	R 851	100k ohm $\pm 5\%$ 0805 chip	569-0105-104
Q 861	Si NPN high freq SOT-23	576-0003-628	R 852	27k ohm $\pm 5\%$ 0805 chip	569-0105-273
Q 862	Si NPN high freq SOT-23	576-0003-628	R 853	27k ohm $\pm 5\%$ 0805 chip	569-0105-273
R 201	1k ohm $\pm 5\%$ 0805 chip	569-0105-102	R 854	2.7k ohm $\pm 5\%$ 0805 chip	569-0105-272
R 202	10k ohm $\pm 5\%$ 0805 chip	569-0105-103	R 861	2.2k ohm $\pm 5\%$ 0805 chip	569-0105-222
R 203	4.3k ohm $\pm 5\%$ 0805 chip	569-0105-432	R 862	3.9k ohm $\pm 5\%$ 0805 chip	569-0105-392
R 204	100 ohm $\pm 5\%$ 0805 chip	569-0105-101	R 863	3.9k ohm $\pm 5\%$ 0805 chip	569-0105-392
R 204	(403-430 MHz)		R 864	10 ohm $\pm 5\%$ 0805 chip	569-0105-100
R 204	68 ohm $\pm 5\%$ 0805 chip	569-0105-680	R 865	270 ohm $\pm 5\%$ 0805 chip	569-0105-271
R 205	(450-512 MHz)		RT851	200 ohm thermistor	569-3001-003
R 205	51 ohm $\pm 5\%$ 0805 chip	569-0105-510	U 201	FM IF SO-16 MC3371D	544-2002-031
R 208	1k ohm $\pm 5\%$ 0805 chip	569-0105-102	U 801	PLL synthesizer SO-14	544-2024-004
R 209	15k ohm $\pm 5\%$ 0805 chip	569-0105-153	U 802	Prescaler MC12022SLAD	544-3954-021
R 210	3.9k ohm $\pm 5\%$ 0805 chip	569-0105-392	Y 201	44.54 MHz crystal 3rd OT	520-0044-546
R 211	4.7k ohm $\pm 5\%$ 0805 chip	569-0105-472	Y 851	14.5 MHz crystal ± 5 PPM	521-4014-502
R 212	1k ohm $\pm 5\%$ 0805 chip	569-0105-102	Y 851	14.5 MHz TCXO ± 2.5 PPM	518-7009-500
R 214	24k ohm $\pm 5\%$ 0805 chip	569-0105-243	Z 201	2-pole 414 MHz helical	532-1005-036
R 215	270 ohm $\pm 5\%$ 0805 chip	569-0105-271	Z 201	(403-430 MHz)	532-1005-030
R 216	10k ohm $\pm 5\%$ 0805 chip	569-0105-103	Z 201	2-pole 460 MHz helical	532-1005-033
R 217	56k ohm $\pm 5\%$ 0805 chip	569-0105-563	Z 201	(480-512 MHz)	532-1005-036
R 218	Zero ohm $\pm 5\%$ 0805 chip	569-0105-001	Z 202	2-pole 414 MHz helical	532-1005-030
R 219	Zero ohm $\pm 5\%$ 0805 chip	569-0105-001	Z 202	(403-430 MHz)	532-1005-033
R 501	2.7k ohm $\pm 5\%$ 0805 chip	569-0105-272	Z 202	2-pole 460 MHz helical	532-1005-030
R 502	2k ohm $\pm 5\%$ 0805 chip	569-0105-202	Z 202	(450-480 MHz)	532-1005-033
R 503	10 ohm $\pm 5\%$ 0805 chip	569-0105-100	Z 202	2-pole 497 MHz helical	532-1005-033
R 504	82 ohm $\pm 5\%$ 0805 chip	569-0105-820	Z 202	(480-512 MHz)	532-1005-036
R 505	910 ohm $\pm 5\%$ 0805 chip	569-0105-911	Z 202	2-pole 414 MHz helical	532-1005-030
R 506	150 ohm $\pm 5\%$ 0805 chip	569-0105-151	Z 202	(403-430 MHz)	532-1005-033
R 507	22 ohm $\pm 5\%$ 0805 chip	569-0105-220	Z 202	2-pole 460 MHz helical	532-1005-030
R 508	47k ohm $\pm 5\%$ 0805 chip	569-0105-473	Z 202	(450-480 MHz)	532-1005-033
R 509	620 ohm $\pm 5\%$ 1206 SMD	569-0115-621	Z 202	2-pole 497 MHz helical	532-1005-033
R 510	620 ohm $\pm 5\%$ 1206 SMD	569-0115-621	Z 203	(480-512 MHz)	532-0019-001
R 511	82 ohm $\pm 5\%$ 0805 chip	569-0105-820	Z 204	45 MHz 2-pole crystal filter	532-2004-012
R 512	300 ohm $\pm 5\%$ 1206 SMD	569-0115-301	Z 205	455 kHz ceramic data filter	532-2004-012
R 514	1k ohm $\pm 5\%$ 0805 chip	569-0105-102			
R 801	4.7k ohm $\pm 5\%$ 0805 chip	569-0105-472	VCO ASSEMBLY PART NO. 023-3472-X49		
R 802	10 ohm $\pm 5\%$ 0805 chip	569-0105-100			
R 803	22 ohm $\pm 5\%$ 0805 chip	569-0105-220	C 825	68 pF $\pm 5\%$ NPO 0805 chip	510-3601-680
R 804	2.2k ohm $\pm 5\%$ 0805 chip	569-0105-222	C 825	(403-470 MHz)	510-3601-470
R 805	1k ohm $\pm 5\%$ 0805 chip	569-0105-102	C 825	47 pF $\pm 5\%$ NPO 0805 chip	510-3601-470
R 806	51 ohm $\pm 5\%$ 0805 chip	569-0105-510	C 825	(470-512 MHz)	510-3605-102
R 807	680 ohm $\pm 5\%$ 0805 chip	569-0105-621	C 826	.001 μ F $\pm 10\%$ X7R 0805 chip	510-3601-680
R 808	56k ohm $\pm 5\%$ 0805 chip	569-0105-563	C 827	68 pF $\pm 5\%$ NPO 0805 chip	510-3601-680
R 809	43k ohm $\pm 5\%$ 0805 chip	569-0105-433	C 827	(403-470 MHz)	510-3601-470
R 810	20k ohm $\pm 5\%$ 0805 chip	569-0105-203	C 827	47 pF $\pm 5\%$ NPO 0805 chip	510-3601-470
R 811	56k ohm $\pm 5\%$ 0805 chip	569-0105-563	C 827	(470-512 MHz)	510-3605-103
R 812	100k ohm $\pm 5\%$ 0805 chip	569-0105-104	C 828	.01 μ F $\pm 10\%$ X7R 0805 chip	510-3601-120
R 812	(403-430 MHz)		C 829	12 pF $\pm 5\%$ NPO 0805 chip	510-3601-100
R 812	36k ohm $\pm 5\%$ 0805 chip	569-0105-363	C 829	(403-430 MHz)	510-3601-100
R 814	(450-512 MHz)		C 829	10 pF $\pm 5\%$ NPO 0805 chip	510-3601-919
R 814	10k ohm SMD trimmer	562-0130-103	C 829	(450-480 MHz)	510-3601-919
R 815	47k ohm $\pm 5\%$ 0805 chip	569-0105-473	C 829	9.1 pF $\pm 5\%$ NPO 0805 chip	510-3601-829
R 816	51 ohm $\pm 5\%$ 0805 chip	569-0105-510	C 829	(480-496 MHz)	510-3601-829
R 820	82 ohm $\pm 5\%$ 0805 chip	569-0105-820	C 829	8.2 pF $\pm 5\%$ NPO 0805 chip	510-3601-829
R 821	91 ohm $\pm 5\%$ 0805 chip	569-0105-910	C 829	(496-512 MHz)	510-3601-829
R 822	82 ohm $\pm 5\%$ 0805 chip	569-0105-820			

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PARTS LIST [Continued]

SYMBOL NUMBER	DESCRIPTION	PART NUMBER	SYMBOL NUMBER	DESCRIPTION	PART NUMBER
C 016	.1 μ F $\pm 10\%$ X7R 1210 chip	510-3607-104	Q 009	Si NPN SOT-23	576-0003-658
C 017	.0022 μ F $\pm 10\%$ X7R 0805	510-3605-222	Q 010	Si NPN SOT-23	576-0003-658
C 018	4700 pF $\pm 5\%$ X7R 1206 chip	510-3609-472	Q 011	Si NPN SOT-23	576-0003-658
C 019	820 pF $\pm 5\%$ NPO 0805 chip	510-3601-821	Q 012	Si NPN SOT-23	576-0003-658
C 020	240 pF $\pm 5\%$ NPO 0805 chip	510-3601-241			
C 021	.1 μ F $\pm 10\%$ X7R 1210 chip	510-3607-104	R 001	220k ohm SMD trimmer	562-0130-224
C 022	.001 μ F $\pm 5\%$ NPO 0805 chip	510-3601-102	R 002	10k ohm SMD trimmer	562-0130-103
C 023	68 pF $\pm 5\%$ NPO 0805 chip	510-3601-680	R 003	10k ohm SMD trimmer	562-0130-103
C 024	.1 μ F $\pm 10\%$ X7R chip	510-3606-104	R 004	10k ohm SMD trimmer	562-0130-103
C 025	.1 μ F $\pm 10\%$ X7R chip	510-3606-104	R 005	10k ohm SMD trimmer	562-0130-103
C 026	68 pF $\pm 5\%$ NPO 0805 chip	510-3601-680	R 006	100k ohm $\pm 5\%$ 0805 chip	569-0105-104
C 027	.01 μ F $\pm 10\%$ X7R 0805 chip	510-3605-103	R 008	1k ohm $\pm 5\%$ 0805 chip	569-0105-102
C 028	.01 μ F $\pm 10\%$ X7R 0805 chip	510-3605-103	R 009	15k ohm $\pm 5\%$ 0805 chip	569-0105-153
C 029	.01 μ F $\pm 10\%$ X7R 0805 chip	510-3605-103	R 010	3k ohm $\pm 5\%$ 0805 chip	569-0105-302
C 030	4.7 μ F tantalum SMD	510-2626-479	R 011	47k ohm $\pm 5\%$ 0805 chip	569-0105-473
C 032	.01 μ F $\pm 10\%$ X7R 0805 chip	510-3605-103	R 012	3k ohm $\pm 5\%$ 0805 chip	569-0105-302
C 033	.01 μ F $\pm 10\%$ X7R 0805 chip	510-3605-103	R 013	24k ohm $\pm 5\%$ 0805 chip	569-0105-243
C 034	.01 μ F $\pm 10\%$ X7R 0805 chip	510-3605-103	R 014	100k ohm $\pm 5\%$ 0805 chip	569-0105-104
C 035	.01 μ F $\pm 10\%$ X7R 0805 chip	510-3605-103	R 015	100k ohm $\pm 5\%$ 0805 chip	569-0105-104
C 037	.01 μ F $\pm 10\%$ X7R 0805 chip	510-3605-103	R 016	100k ohm $\pm 5\%$ 0805 chip	569-0105-104
C 039	.01 μ F $\pm 10\%$ X7R 0805 chip	510-3605-103	R 017	150k ohm $\pm 5\%$ 0805 chip	569-0105-154
C 040	22 pF $\pm 5\%$ NPO 0805 chip	510-3601-220	R 018	4.7k ohm $\pm 5\%$ 0805 chip	569-0105-472
C 041	22 pF $\pm 5\%$ NPO 0805 chip	510-3601-220	R 021	39k ohm $\pm 5\%$ 0805 chip	569-0105-393
C 042	33 μ F 10V tantalum SMD	510-2624-330	R 022	22k ohm $\pm 5\%$ 0805 chip	569-0105-223
C 043	3.3 μ F 16V tantalum SMD	510-2625-339	R 023	9.1k ohm $\pm 5\%$ 0805 chip	569-0105-912
C 044	3.3 μ F 16V tantalum SMD	510-2625-339	R 024	270k ohm $\pm 5\%$ 0805 chip	569-0105-274
C 045	15 μ F 20V tantalum SMD	510-2626-150	R 025	150k ohm $\pm 5\%$ 0805 chip	569-0105-154
C 046	15 μ F 20V tantalum SMD	510-2626-150	R 026	82k ohm $\pm 5\%$ 0805 chip	569-0105-823
C 047	470 pF $\pm 5\%$ NPO 0805 chip	510-3601-471	R 027	47k ohm $\pm 5\%$ 0805 chip	569-0105-473
C 048	.01 μ F $\pm 10\%$ X7R 0805 chip	510-3605-103	R 028	22k ohm $\pm 5\%$ 0805 chip	569-0105-223
C 049	.22 μ F $\pm 10\%$ X7R 1206	510-3607-224	R 029	75k ohm $\pm 5\%$ 0805 chip	569-0105-753
C 050	1 μ F 16V tantalum SMD	510-2625-109	R 030	6.2k ohm $\pm 5\%$ 0805 chip	569-0105-622
C 051	1 μ F 16V tantalum SMD	510-2625-109	R 031	120k ohm $\pm 5\%$ 0805 chip	569-0105-124
C 055	1 μ F ± 105 35V subminiature	510-2575-109	R 032	75k ohm $\pm 5\%$ 0805 chip	569-0105-753
CR001	Switching diode SOT-23	523-1504-002	R 033	33k ohm $\pm 5\%$ 0805 chip	569-0105-333
CR002	Low level zener 1N4622	523-2519-061	R 034	75k ohm $\pm 5\%$ 0805 chip	569-0105-753
EP001	Double sided foam tape 1/16"	574-3002-015	R 038	160k ohm $\pm 5\%$ 0805 chip	569-0105-164
F 001	1.5A SMD very fast blow	534-5000-115	R 039	820k ohm $\pm 5\%$ 0805 chip	569-0105-824
HW001	2-56 x .75 swage mt .188	013-1188-048	R 040	150k ohm $\pm 5\%$ 0805 chip	569-0105-154
HW002	Polarizing key box connector	515-7109-010	R 041	200k ohm $\pm 5\%$ 0805 chip	569-0105-204
J 002	10-pos rt angle shrd header	515-7104-005	R 043	75k ohm $\pm 5\%$ 0805 chip	569-0105-753
J 003	8-cond modular jack PC mt	515-2006-040	R 044	1k ohm $\pm 5\%$ 0805 chip	569-0105-102
P 001	14-pin single row header	515-9031-936	R 045	100k ohm $\pm 5\%$ 0805 chip	569-0105-104
PC001	PC board	035-3472-330	R 047	11k ohm $\pm 5\%$ 0805 chip	569-0105-113
Q 001	Si NPN SOT-23	576-0003-658	R 048	8.2k ohm $\pm 5\%$ 0805 chip	569-0105-822
Q 002	Si PNP SOT-23	576-0003-657	R 049	470 ohm $\pm 5\%$ 0805 chip	569-0105-471
Q 004	Si PNP SOT-23	576-0003-657	R 050	470 ohm $\pm 5\%$ 0805 chip	569-0105-471
Q 005	PNP Darlington SOT-23	576-0007-012	R 053	4.7M ohm $\pm 5\%$ 0805 chip	569-0105-475
Q 006	Si NPN SOT-23	576-0003-658	R 056	470 ohm $\pm 5\%$ 0805 chip	569-0105-471
Q 007	Si NPN SOT-23	576-0003-658	R 057	470 ohm $\pm 5\%$ 0805 chip	569-0105-471
Q 008	Si NPN SOT-23	576-0003-658	R 058	10k ohm $\pm 5\%$ 0805 chip	569-0105-103
			R 059	10k ohm $\pm 5\%$ 0805 chip	569-0105-103
			R 062	100k ohm $\pm 5\%$ 0805 chip	569-0105-104
			R 063	4.7k ohm $\pm 5\%$ 0805 chip	569-0105-472
			R 064	27k ohm $\pm 5\%$ 0805 chip	569-0105-273
			R 065	470 ohm $\pm 5\%$ 0805 chip	569-0105-471
			R 066	100k ohm $\pm 5\%$ 0805 chip	569-0105-104
			R 067	10k ohm $\pm 5\%$ 0805 chip	569-0105-103
			R 068	10k ohm $\pm 5\%$ 0805 chip	569-0105-103

<u>SYMBOL NUMBER</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>SYMBOL NUMBER</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>
R 069	100k ohm $\pm 5\%$ 0805 chip	569-0105-104	EP301	Pin .025 square x .51	515-7101-207
R 070	10k ohm $\pm 5\%$ 0805 chip	569-0105-103	EP309	Single-sided foam tape	574-3002-102
R 071	100k ohm $\pm 5\%$ 0805 chip	569-0105-104			
R 072	10k ohm $\pm 5\%$ 0805 chip	569-0105-103	PC300	PC board.	035-3472-230
R 073	10k ohm $\pm 5\%$ 0805 chip	569-0105-103			
R 074	100k ohm $\pm 5\%$ 0805 chip	569-0105-104	R 301	200k ohm trimmer SMD	562-0130-224
R 075	10k ohm $\pm 5\%$ 0805 chip	569-0105-103			
R 076	100k ohm $\pm 5\%$ 0805 chip	569-0105-104	R 302	47k ohm $\pm 5\%$ 1/8W SMD	569-0105-473
R 077	100k ohm $\pm 5\%$ 0805 chip	569-0105-104	R 303	1k ohm $\pm 5\%$ 1/8W SMD	569-0105-102
R 078	10k ohm $\pm 5\%$ 0805 chip	569-0105-103	R 304	3k ohm $\pm 5\%$ 1/8W SMD	569-0105-302
R 079	3k ohm $\pm 5\%$ 0805 chip	569-0105-302	R 305	100k ohm $\pm 5\%$ 1/8W SMD	569-0105-104
R 080	10k ohm $\pm 5\%$ 0805 chip	569-0105-103	R 306	150k ohm $\pm 5\%$ 1/8W SMD	569-0105-154
R 081	18k ohm $\pm 5\%$ 0805 chip	569-0105-183	R 308	100k ohm $\pm 5\%$ 1/8W SMD	569-0105-104
R 082	220k ohm $\pm 5\%$ 0805 chip	562-0130-224	R 310	22k ohm $\pm 5\%$ 1/8W SMD	569-0105-223
R 083	100k ohm $\pm 5\%$ 0805 chip	569-0105-104	R 311	10k ohm trimmer SMD	562-0130-103
R 084	100k ohm $\pm 5\%$ 0805 chip	569-0105-104	R 312	20k ohm $\pm 5\%$ 1/8W SMD	569-0105-203
R 085	100k ohm $\pm 5\%$ 0805 chip	569-0105-104	R 313	1k ohm $\pm 5\%$ 1/8W SMD	569-0105-102
R 086	100k ohm $\pm 5\%$ 0805 chip	569-0105-104	R 314	3k ohm $\pm 5\%$ 1/8W SMD	569-0105-302
R 087	100k ohm $\pm 5\%$ 0805 chip	569-0105-104	R 315	4.7k ohm $\pm 5\%$ 1/8W SMD	569-0105-472
R 088	100k ohm $\pm 5\%$ 0805 chip	569-0105-104			
R 089	100k ohm $\pm 5\%$ 0805 chip	569-0105-104	RT301	3k ohm $\pm 5\%$ thermistor SMD	569-3006-302
R 090	100k ohm $\pm 5\%$ 0805 chip	569-0105-104	RT302	8k ohm $\pm 5\%$ thermistor SMD	569-3006-802
R 091	100k ohm $\pm 5\%$ 0805 chip	569-0105-104			
R 092	100k ohm $\pm 5\%$ 0805 chip	569-0105-104	U 301	Quad op amp SOIC LMC660	544-2020-020
R 093	100k ohm $\pm 5\%$ 0805 chip	569-0105-104			
R 094	100k ohm $\pm 5\%$ 0805 chip	569-0105-104			
R 095	100k ohm $\pm 5\%$ 0805 chip	569-0105-104			
R 096	100k ohm $\pm 5\%$ 0805 chip	569-0105-104			
R 097	100k ohm $\pm 5\%$ 0805 chip	569-0105-104			
R 098	100k ohm $\pm 5\%$ 0805 chip	569-0105-104			
R 099	100k ohm $\pm 5\%$ 0805 chip	569-0105-104			
R 100	100k ohm $\pm 5\%$ 0805 chip	569-0105-104			
R 101	100k ohm $\pm 5\%$ 0805 chip	569-0105-104			
R 102	100k ohm $\pm 5\%$ 0805 chip	569-0105-104			
RT001	3k ohm $\pm 5\%$ chip thermistor	569-3006-302			
RT002	8k ohm $\pm 5\%$ chip thermistor	569-3006-802			
U 001	16x16 EEPROM SO-8 93C06	544-5001-413			
U 004	Bilateral switch SOIC 4066B	544-3016-066			
U 005	Hex noninverting buffer 4050B	544-3016-050			
U 006	5V reg micropower SO-8	544-2003-067			
U 008	Microprocessor w/software	023-9998-262			
U 009	Quad op amp SOIC LMC660	544-2020-020			
U 010	Quad op amp SOIC 224	544-2020-014			
U 011	Dual op amp SO-8	544-2019-018			
U 012	Bilateral switch SOIC 4066B	544-3016-066			
Y 001	4 MHz tuning fork crystal	521-1004-000			

AUDIO/RSSI BOARD ASSEMBLY
PART NO. 023-3472-230

C 302	.001 μ F $\pm 10\%$ X7R cer SMD	510-3605-102
C 303	68 pF $\pm 5\%$ NPO ceramic SMD	510-3601-680
C 304	68 pF $\pm 5\%$ NPO ceramic SMD	510-3601-680
C 306	68 pF $\pm 5\%$ NPO ceramic SMD	510-3601-680
C 307	68 pF $\pm 5\%$ NPO ceramic SMD	510-3601-680