

# MAXON SD-125 RF LINK MODULE

## SD-125 DIGITAL BOARD (COMMON) PARTS LIST (650-010-0029)

REF #	DESCRIPTION	PART #	REF #	DESCRIPTION	PART #
C401	CAP, CER,1UF,+80-20%,16V,Y5V,0805	100-803-2105	C463	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104
C402	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	C464	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104
C403	CAP, CER,0.022UF,10%,50V,X7R,0603	100-621-1223	C465	CAP, CER,0.0033UF,10%,50V,X7R,0603	100-621-1332
C404	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	C466	CAP, CER,0.0027UF,5%,50V,X7R,0603	100-521-1272
C405	CAP, CER,47PF,5%,50V,COG,0603	100-520-1470	C801	CAP, CER,51PF,5%,50V,COG,0603	100-520-1510
C406	CAP, CER,0.022UF,10%,50V,X7R,0603	100-621-1223	C802	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104
C407	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	C803	CAP, CER,330PF,5%,50V,COG,0603	100-520-1331
C408	CAP, CER,47PF,5%,50V,COG,0603	100-520-1470	C804	CAP, CER,51PF,5%,50V,COG,0603	100-520-1510
C409	CAP, CER,0.047UF,+20-80%,25V,Y5V,0603	100-813-1473	C805	CAP, CER,100PF,+/-5%,50V,COG,0603	100-520-1101
C410	CAP, CER,0.0056UF,10%,50V,X7R,0603	100-621-1562	C806	CAP, CER,100PF,+/-5%,50V,COG,0603	100-520-1101
C411	CAP, CER,0.0027UF,5%,50V,X7R,0603	100-521-1272	C807	CAP, TA, 22UF,20%,35V,7343	102-063-3226
C412	CAP, CER,0.0047UF,10%,50V,X7R,0603	100-621-1472	C808	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104
C413	CAP, CER,150PF,10%,50V,X7R,0603	100-621-1151	C810	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
C414	CAP, CER,0.0039UF,10%,50V,X7R,0603	100-621-1392	C811	CAP, TA, 100UF,20%,16V,E,7343	102-033-3107
C415	CAP, CER,47PF,5%,50V,COG,0603	100-520-1470	C812	CAP, CER,100PF,+/-5%,50V,COG,0603	100-520-1101
C416	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	C813	CAP, TA,4.7UF,20%,10V,A	102-023-0475
C417	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	C815	CAP, TA,100UF,20%,16V,E,7343	102-033-3107
C422	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	CON401	CONN,PLUG,15P,1.25MM,RT,SMT	140-081-0015
C423	CAP, CER,0.047UF,+20-80%,25V,Y5V,0603	100-813-1473	CON403	CONN, SKT,18P/DIP,2.0MMST,SMT	140-020-0056
C424	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	D401	DIODE, ZNR,Z02W5.6V-Y,5.6V,0.2W,SOT-23	221-020-0056
C425	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106	D402	DIODE, ZNR,Z02W5.6V-Y,5.6V,0.2W,SOT-23	221-020-0056
C426	CAP, CER,0.047UF,+20-80%,25V,Y5V,0603	100-813-1473	D403	DIODE, ZNR,Z02W5.6V-Y,5.6V,0.2W,SOT-23	221-020-0056
C427	CAP, TA,100UF,20%,6.3V,D	102-013-3107	D404	DIODE, ZNR,Z02W5.6V-Y,5.6V,0.2W,SOT-23	221-020-0056
C428	CAP, TA,47UF,20%,16V,7343H	102-033-5476	D405	DIODE, ZNR,Z02W5.6V-Y,5.6V,0.2W,SOT-23	221-020-0056
C429	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	D406	DIODE, SW,KDS193,SOT-23	220-010-0003
C430	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	D407	DIODE, ZNR,Z02W5.6V-Y,5.6V,0.2W,SOT-23	221-020-0056
C431	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	D408	DIODE, ZNR,Z02W5.6V-Y,5.6V,0.2W,SOT-23	221-020-0056
C432	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	D409	DIODE, ZNR,Z02W5.6V-Y,5.6V,0.2W,SOT-23	221-020-0056
C433	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	D410	DIODE, ZNR,Z02W5.6V-Y,5.6V,0.2W,SOT-23	221-020-0056
C434	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	D801	DIODE, SW,KDS160,6V,2PIN USC	220-010-0017
C435	CAP, TA,4.7UF,20%,10V,A	102-023-0475	D802	DIODE, SCHOTTKY,MBRS140T3,SMB	220-040-0012
C436	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	L801	COIL, CHIP,12UH, A814AY-120M=P3	355-010-0120
C437	CAP, CER,39PF,5%,50V,COG,0603	100-520-1390	L802	COIL, CHIP,3.3UH, 636CY-3R3M=P3	355-010-0335
C438	CAP, CER,39PF,5%,50V,COG,0603	100-520-1390	Q401	TRANS, PNP,KRA104S,SOT-23,SW,(PD)	870-010-0005
C439	CAP, TA,1UF,20%,25V,3216	102-053-0105	Q402	TRANS, PNP,KRA104S,SOT-23,SW,(PD)	870-010-0005
C440	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106	Q403	TRANS, PNP,KRA104S,SOT-23,SW,(PD)	870-010-0005
C441	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	Q404	TRANS, NPN,KRC104SND,SOT-23,SW,ND	870-020-0001
C442	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	Q405	TRANS, PNP,KRA104S,SOT-23,SW,(PD)	870-010-0005
C443	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	Q406	TRANS, NPN,KRC104SND,SOT-23,SW,ND	870-020-0001
C444	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	Q407	TRANS, PNP,KTA1504(Y),SOT-23,SW	870-100-0004
C445	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	Q408	TRANS, NPN,KRC104SND,SOT-23,SW,ND	870-020-0001
C446	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	Q801	TRANS, SI4412DY,SO-8,MOSFET,N-CH	870-070-0006
C447	CAP, TA, 22UF,20%,35V,7343	102-063-3226	Q802	TRANS, SI4412DY,SO-8,MOSFET,N-CH	870-070-0006
C449	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	R403	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
C450	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	R404	RES, TF,47K,5%,1/16W,+/-200,0603	741-102-1473
C451	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103	R406	RES, TF,22K,5%,1/16W,+/-200,0603	741-102-1223
C452	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	R407	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
C453	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	R409	RES, TF,100K,5%,1/16W,+/-200,0603	741-102-1104
C454	CAP, TA,4.7UF,20%,10V,A	102-023-0475	R410	RES, TF,220K,5%,1/16W,+/-200,0603	741-102-1224
C455	CAP, TA,4.7UF,20%,10V,A	102-023-0475	R411	RES, TF,100K,5%,1/16W,+/-200,0603	741-102-1104
C456	CAP, TA,4.7UF,20%,10V,A	102-023-0475	R412	RES, TF,3.3K,5%,1/16W,+/-200,0603	741-102-1332
C457	CAP, TA,4.7UF,20%,10V,A	102-023-0475	R413	RES, TF,180K,5%,1/16W,+/-200,0603	741-102-1184
C458	CAP, CER,47PF,5%,50V,COG,0603	100-520-1470	R414	RES, TF,100K,5%,1/16W,+/-200,0603	741-102-1104
C459	CAP, CER,47PF,5%,50V,COG,0603	100-520-1470	R415	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
C460	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106	R416	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
C461	CAP, TA,1UF,20%,25V,3216	102-053-0105	R417	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103

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REF #	DESCRIPTION	PART #	REF #	DESCRIPTION	PART #
R418	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103	R482	RES, TF, 1K, 5%, 1/16W, +/-200, 0603	741-102-1102
R419	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103	R483	RES, TF, 1K, 5%, 1/16W, +/-200, 0603	741-102-1102
R420	RES, TF, 9.1K, 5%, 1/16W, +/-200, 0603	741-102-1912	R484	RES, TF, 1K, 5%, 1/16W, +/-200, 0603	741-102-1102
R421	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103	R485(LK2.10)	RES, TF, 0, 5%, 1/16W, +/-200, 0603	741-102-1000
R422	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103	R486	RES., TF, 68K, 5%, 1/16W, +/-200, 0603	741-102-1683
R423	RES, TF, 1K, 5%, 1/16W, +/-200, 0603	741-102-1102	R487	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103
R424	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103	R488	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103
R425	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103	R489	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103
R426	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103	R490	RES, TF, 10, 5%, 1/16W, +/-200, 0603	741-102-1100
R428	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103	R491	RES, TF, 56K, 5%, 1/16W, +/-200, 0603	741-102-1563
R429	RES, TF, 47K, 5%, 1/16W, +/-200, 0603	741-102-1473	R492	RES, TF, 100K, 5%, 1/16W, +/-200, 0603	741-102-1104
R430	RES, TF, 1M, 5%, 1/16W, +/-200, 0603	741-102-1105	R493	RES, TF, 100K, 5%, 1/16W, +/-200, 0603	741-102-1104
R431	RES, TF, 47K, 5%, 1/16W, +/-200, 0603	741-102-1473	R494	RES, TF, 100K, 5%, 1/16W, +/-200, 0603	741-102-1104
R432	RES, TF, 47K, 5%, 1/16W, +/-200, 0603	741-102-1473	R495	RES, TF, 100K, 5%, 1/16W, +/-200, 0603	741-102-1104
R433	RES, TF, 4.7K, 5%, 1/16W, +/-200, 0603	741-102-1472	R496	RES, TF, 0, 5%, 1/8W, TC250, 1206	741-127-3000
R434	RES, TF, 4.7K, 5%, 1/16W, +/-200, 0603	741-102-1472	R801	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103
R435	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103	R802	RES, TF, 36K, 5%, 1/16W, +/-200, 0603	741-102-1363
R436	RES, TF, 4.7K, 5%, 1/16W, +/-200, 0603	741-102-1472	R804	RES, TF, 0.033, 1%, 1/10W, +/-100, 0805	740-112-R033
R437	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103	R805	RES, TF, 68K, 1%, 1/16W, +/-100, 0603	740-211-1683
R438	RES, TF, 2.2K, 5%, 1/16W, +/-200, 0603	741-102-1222	R806	RES, TF, 20K, 5%, 1/16W, +/-200, 0603	741-102-1203
R439	RES, TF, 4.7K, 5%, 1/16W, +/-200, 0603	741-102-1472	RV402	RES, TF, 0, +/-5%, 1/10W, +/-250, 0805	741-117-2000
R440	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103	RV403	POT, VRES, 22K, +/-25%, TOP ADJ	901-120-0223
R441	RES, TF, 47K, 5%, 1/16W, +/-200, 0603	741-102-1473	RV404	RES, TF, 0, +/-5%, 1/10W, +/-250, 0805	741-117-2000
R442	RES, TF, 47K, 5%, 1/16W, +/-200, 0603	741-102-1473	SW401	SW, DIP8P, 4 POS, KSD-04, SPST	830-130-0004
R443	RES, TF, 47K, 5%, 1/16W, +/-200, 0603	741-102-1473	U401	IC, CPU, OPT, MC68HC705C8FB, 44-QFP	443-100-0010
R444	RES, TF, 47K, 5%, 1/16W, +/-200, 0603	741-102-1473	U402	IC, EEPROM, AT93C56-10SI, SO-8, 2K, 2-5V	442-010-0003
R445	RES, TF, 100K, 5%, 1/16W, +/-200, 0603	741-102-1104	U403	IC, QUAD CMPTR, LM339, SO14	441-110-0003
R446	RES, TF, 100, 5%, 1/16W, +/-200, 0603	741-102-1101	U404	IC, SW/MUX, MC14066BDR2, SO-14, A-SW	444-050-0001
R447	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103	U405	IC, OP AMP, KIA324F, SO-14, QUAD	441-030-0002
R448	RES, TF, 1M, 5%, 1/16W, +/-200, 0603	741-102-1105	U406	IC, OP AMP, KIA324F, SO-14, QUAD	441-030-0002
R449	RES, TF, 20K, 5%, 1/16W, +/-200, 0603	741-102-1203	U407	IC, AUDIO AMP, LM386M-1, 0.33W, SO-8	441-040-0002
R450	RES, TF, 33K, 5%, 1/16W, +/-200, 0603	741-102-1333	U408	IC, V DET, KIA7042P, 4.2V, SOT-89	441-020-0005
R451	RES, TF, 100K, 5%, 1/16W, +/-200, 0603	741-102-1104	U801	IC, DC/DC CONV, LTC1435CS, SO-16	441-011-0005
R452	RES, TF, 100K, 5%, 1/16W, +/-200, 0603	741-102-1104	X401	RESONATOR, CER, CSAC3.58MGC	310-020-0004
R454	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103			
R455	RES, TF, 22K, 5%, 1/16W, +/-200, 0603	741-102-1223			
R456	RES, TF, 470, 5%, 1/16W, +/-200, 0603	741-102-1471			
R457	RES, TF, 22K, 5%, 1/16W, +/-200, 0603	741-102-1223			
R458	RES, TF, 100K, 5%, 1/16W, +/-200, 0603	741-102-1104			
R460	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103			
R461	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103			
R463	RES, TF, 1.8M, 5%, 1/10W, +/-200, 0805	741-112-2185			
R464	RES, TF, 47K, 5%, 1/16W, +/-200, 0603	741-102-1473			
R465	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103			
R466	RES, TF, 47K, 5%, 1/16W, +/-200, 0603	741-102-1473			
R467	RES, TF, 47K, 5%, 1/16W, +/-200, 0603	741-102-1473			
R468	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103			
R469	RES, TF, 100K, 5%, 1/16W, +/-200, 0603	741-102-1104			
R470	RES, TF, 100K, 5%, 1/16W, +/-200, 0603	741-102-1104			
R471	RES, TF, 220K, 5%, 1/16W, +/-200, 0603	741-102-1224			
R472	RES, TF, 120K, 5%, 1/16W, +/-200, 0603	741-102-1124			
R473	RES., TF, 68K, 5%, 1/16W, +/-200, 0603	741-102-1683			
R474	RES, TF, 100, 5%, 1/16W, +/-200, 0603	741-102-1101			
R475	RES, TF, 100, 5%, 1/16W, +/-200, 0603	741-102-1101			
R476	RES, TF, 100, 5%, 1/16W, +/-200, 0603	741-102-1101			
R477	RES, TF, 100, 5%, 1/16W, +/-200, 0603	741-102-1101			
R478	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103			
R480	RES, TF, 100K, 5%, 1/16W, +/-200, 0603	741-102-1104			
R481	RES, TF, 1K, 5%, 1/16W, +/-200, 0603	741-102-1102			

# MAXON SD-125 RF LINK MODULE

## SD-125 (U1 400-430MHz) RF BOARD PARTS LIST (650-020-0027)

REF #	DESCRIPTION	PART #	REF #	DESCRIPTION	PART #
<b>REPLACEMENT MODULES</b>			<b>C60</b>	Cap, TA,4.7uF,20%,10V,A	102-023-0475
	ASSY, PCB,FRONT END,UHF,400-430MHZ	650-110-0019	<b>C61</b>	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106
	ASSY, PCB,PWR AMP,UHF,400-430MHZ	650-230-0017	<b>C62</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
	ASSY, PCB,TCXO	650-100-0002	<b>C63</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
	ASSY, PCB,VCO TX/RX,UHF,400-430MHZ	650-030-0026	<b>C64</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C1</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C65</b>	CAP, TA,10UF,20%,10V,B,3528	102-023-1106
<b>C2</b>	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106	<b>C66</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C3</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C67</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C4</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C68</b>	CAP, CER,470PF,10%,50V,X7R,0805	100-621-2471
<b>C5</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C73</b>	CAP, CER,9PF,0.25PF,50V,COG,0805	100-020-2090
<b>C6</b>	CAP, TA,4.7UF,20%,10V,A	102-023-0475	<b>C74</b>	CAP, CER,18PF,5%,50V,COG,0805	100-520-2180
<b>C7</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C75</b>	CAP, CER,4PF,0.25PF,50V,COG,0805	100-020-2040
<b>C8</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C76</b>	CAP, CER,1PF,0.25PF,50V,COG,0805	100-020-2010
<b>C9</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C77</b>	CAP, CER,470PF,10%,50V,X7R,0805	100-621-2471
<b>C11</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	<b>C78</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C12</b>	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106	<b>C79</b>	CAP, CER,0.1UF,10%,25V,X7R,0805	100-611-2104
<b>C13</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103	<b>C80</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C14</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C81</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C15</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	<b>C82</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C16</b>	CAP, CER,2PF,0.25PF,50V,COG,0603	100-020-1020	<b>C83</b>	CAP, CER,7PF,0.5PF,50V,COG,0603	100-120-1070
<b>C17</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	<b>C84</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C18</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	<b>C87</b>	CAP, CER,9PF,0.5PF,50V,COG,0603	100-120-1090
<b>C19</b>	CAP, CER,220PF,5%,50V,COG,0603	100-520-1221	<b>C88</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104
<b>C21</b>	CAP, METAL,POLY,0.33UF,63V BOX	083-013-2334	<b>C90</b>	CAP, CER,7PF,0.5PF,50V,COG,0603	100-120-1070
<b>C22</b>	CAP, METAL POLY,0.022UF,10%,63V BOX	083-013-2223	<b>C92</b>	CAP, CER,24PF,5%,50V,COG,0603	100-520-1240
<b>C23</b>	CAP, METAL POLY,0.01UF,10%,63V KBOX	083-014-2103	<b>C93</b>	CAP, CER,82PF,5%,50V,COG,0603	100-520-1820
<b>C24</b>	CAP, METAL POLY,0.01UF,10%,63V KBOX	083-014-2103	<b>C94</b>	CAP, CER,1UF,+80-20%,16V,Y5V,0805	100-803-2105
<b>C25</b>	CAP, CER,1UF,+80-20%,16V,Y5V,0805	100-803-2105	<b>C96</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C26</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	<b>C97</b>	CAP, CER,30PF,5%,50V,COG,0603	100-520-1300
<b>C34</b>	CAP, CER,220PF,5%,50V,COG,0603	100-520-1221	<b>C98</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102
<b>C35</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C100</b>	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106
<b>C36</b>	CAP, CER,7PF,0.5PF,50V,COG,0805	100-110-2070	<b>C101</b>	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106
<b>C37</b>	CAP, CER,5.6PF,0.25PF,50V,COG,0603	100-020-15R6	<b>C102</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102
<b>C38</b>	CAP, CER,15PF,5%,50V,COG,0805	100-520-2150	<b>C103</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C39</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C104</b>	CAP, TA,1UF,20%,25V,3216	102-053-0105
<b>C41</b>	CAP, CER,6PF,0.5PF,50V,COG,0805	100-120-2060	<b>C111</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C42</b>	CAP, CER,27PF,5%,50V,COG,0805	100-520-2270	<b>C117</b>	CAP, CER,47PF,5%,50V,COG,0603	100-520-1470
<b>C43</b>	CAP, CER,5PF,0.25PF,50V,COG,0603	100-020-1050	<b>C118</b>	CAP, CER,33PF,5%,50V,COG,0603	100-520-1330
<b>C44</b>	CAP, CER,1UF,+80-20%,16V,Y5V,0805	100-803-2105	<b>C121</b>	CAP, CER,20PF,5%,50V,COG,0603	100-520-1200
<b>C45</b>	CAP, CER,220PF,5%,50V,COG,0603	100-520-1221	<b>C122</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C46</b>	CAP, CER,3PF,0.25PF,50V,COG,0603	100-020-1030	<b>C123</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C47</b>	CAP, CER,220PF,5%,50V,COG,0603	100-520-1221	<b>C124</b>	CAP, CER,0.1UF,10%,25V,X7R,0805	100-611-2104
<b>C49</b>	CAP, CER,4.7PF,0.5PF,50V,COG,0805	100-120-24R7	<b>C125</b>	CAP, CER,0.1UF,10%,25V,X7R,0805	100-611-2104
<b>C50</b>	CAP, CER,12PF,5%,50V,COG,0603	100-520-1120	<b>C126</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C51</b>	CAP, CER,6.8PF,0.5PF,50V,COG,0603	100-120-16R8	<b>C127</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C53</b>	CAP, CER,1UF,+80-20%,16V,Y5V,0805	100-803-2105	<b>C128</b>	CAP, TA,4.7UF,20%,10V,A	102-023-0475
<b>C54</b>	CAP, CER,220PF,5%,50V,COG,0603	100-520-1221	<b>C129</b>	CAP, ELE,10UF,16V,20%,3X5,5.0PT	081-032-3106
<b>C55</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C131</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102
<b>C56</b>	CAP, CER,6.8PF,0.5PF,50V,COG,0603	100-120-16R8	<b>C133</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104
<b>C57</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C152</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C58</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C901</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C59</b>	CAP, CER,0.47UF,+20-80%,16V,Y5V,0805	100-803-2474	<b>C902</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
			<b>C904</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
			<b>C905</b>	CAP, CER,68PF,5%,50V,COG,0603	100-520-1680
			<b>C906</b>	CAP, CER,220PF,5%,50V,COG,0603	100-520-1221
			<b>C907</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103

**NOTES:**

1. Components are not available, assembly is non-repairable.

# MAXON SD-125 RF LINK MODULE

REF #	DESCRIPTION	PART #	REF #	DESCRIPTION	PART #
C909	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103	Q904	TRANS, NPN,KTC4075,UMT3	870-200-0031
CF1	FILTER, CER, LT-455FW,455KHZ	310-101-0010	Q905	TRANS, NPN,KTC4075,UMT3	870-200-0031
CF2	FILTER, CER,CF455HT,455KHZ	310-010-0013	R1	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
CON1	CONN, SKT,18P/DIP,2.0MMST,SMT	140-020-0056	R2	RES, TF,100K,5%,1/16W,+/-200,0603	741-102-1104
D5	DIODE, PIN,UPP9401,(T&R)50V,2.5W	220-020-0001	R3	RES, TF,2.2K,5%,1/16W,+/-200,0603	741-102-1222
D6	DIODE, PIN,UPP9401,(T&R)50V,2.5W	220-020-0001	R4	RES, TF,1.8K,5%,1/16W,+/-200,0603	741-102-1182
D9	DIODE, SCHOTTKY,CHIP,HSMS-2817#L31	220-040-0009	R5	RES, TF,1.8K,5%,1/16W,+/-200,0603	741-102-1182
D12	DIODE, SW,KDS193,SOT-23	220-010-0003	R6	RES, TF,2K,5%,1/16W,+/-200,0603	741-102-1202
D13	DIODE, SW,KDS181S,SOT-23	220-010-0004	R7	RES, TF,1.8K,5%,1/16W,+/-200,0603	741-102-1182
D14	DIODE, SW,KDS181S,SOT-23	220-010-0004	R8	RES, TF,910,5%,1/10W,TC250,0805	741-117-2911
D903	DIODE, SW,KDS226,SOT-23	220-010-0005	R11	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
D904	DIODE, SW,KDS226,SOT-23	220-010-0005	R12	RES, TF,5.6K,5%,1/16W,+/-200,0603	741-102-1562
H3	SCRW, MACH,STL,M2X6,FLH,PHL,ZN	330-110-0142	R13	RES, TF,2.7K,5%,1/16W,+/-200,0603	741-102-1272
H4	SCRW, MACH,STL,M2X6,FLH,PHL,ZN	330-110-0142	R14	RES, TF,2.7K,5%,1/16W,+/-200,0603	741-102-1272
IC1	IC, VREG,TK11450MTR,+5V,SOT-23L,(R5)	441-010-0002	R15	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
IC2	IC, PLL,MC145191FR2,SO-20,RS-440	440-050-0011	R16	RES, TF,910,5%,1/10W,TC250,0805	741-117-2911
IC3	IC, OP AMP,LM358MX,SO-8,DUAL	441-030-0006	R17	RES, TF,12K,5%,1/16W,+/-200,0603	741-102-1123
IC5	IC, VHF RCVR,MC3371D,SO-16,NWRBAND	441-060-0007	R21	RES, TF,33,5%,1/16W,+/-200,0603	741-102-1330
IC7	IC, OP AMP,LM358MX,SO-8,DUAL	441-030-0006	R22	RES, TF,4.7K,5%,1/16W,+/-200,0603	741-102-1472
IC8	IC, OP AMP,DUAL,TL062CDR,SO-8	441-030-0012	R23	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
L1	COIL, CHIP,18NH,20%,LL2012-F18NM	371-010-5180	R24	RES, TF,5.6K,5%,1/16W,+/-200,0603	741-102-1562
L2	COIL, CHIP,18NH,20%,LL2012-F18NM	371-010-5180	R25	RES, TF,4.7K,5%,1/16W,+/-200,0603	741-102-1472
L3	COIL, CHIP,18NH,20%,LL2012-F18NM	371-010-5180	R26	RES, TF,18,5%,1/16W,+/-200,0603	741-102-1180
L4	COIL, CHIP,18NH,20%,LL2012-F18NM	371-010-5180	R27	RES, TF,4.7K,5%,1/16W,+/-200,0603	741-102-1472
L5	COIL, CHIP,18NH,20%,LL2012-F18NM	371-010-5180	R28	RES, TF,220,5%,1/16W,+/-200,0603	741-102-1221
L6	COIL, CHIP,0.82UH,NL252018T-R82J	371-804-3R82	R31	RES, TF,300,5%,1/16W,+/-200,0603	741-102-1301
L7	COIL, SPRG, 2X0.75X3T:L SMD	350-000-0103	R32	RES, TF,300,5%,1/16W,+/-200,0603	741-102-1301
L8	COIL, SPRG, 2X0.75X3T:L SMD	350-000-0103	R33	RES, TF,6.8K,5%,1/16W,+/-200,0603	741-102-1682
L11	COIL, SPRG, 2X0.75X3T:L SMD	350-000-0103	R34	RES, TF,18,5%,1/16W,+/-200,0603	741-102-1180
L12	COIL, CHIP,1.2UH,5%,NL252018T-1R2J	371-004-31R2	R35	RES, TF,5.6K,5%,1/16W,+/-200,0603	741-102-1562
L13	COIL, SPRG, 1.0X0.35X7T;R,	350-000-0095	R36	RES, TF, 0, 5%,1/16W, +/-200,0603	741-102-1000
L14	COIL, CHIP,0.47UH,NL252018T-R47J	371-804-3R47	R37	RES, TF,1.2K,5%,1/16W, +/-200,0603	741-102-1122
L15	COIL, CHIP,0.15UH,5%,NL252018T-R15J	371-004-3R15	R41	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
L18	COIL, CHIP,1UH,5%,NL252018T-1R0J	371-017-3102	R42	RES, TF,12K,5%,1/16W,+/-200,0603	741-102-1123
L19	COIL CHIP,10UH,CYLNDRCCL,+/-10%,1206	371-005-3103	R43	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
Q2	TRANS, PNP,KRA110SPK,SOT-23,SW,PK	870-010-0010	R45	RES, TF,12K,5%,1/16W,+/-200,0603	741-102-1123
Q3	TRANS, PNP,KRA110SPK,SOT-23,SW,PK	870-010-0010	R46	RES, TF,2.2K,5%,1/16W,+/-200,0603	741-102-1222
Q4	TRANS, PNP,KRA110SPK,SOT-23,SW,PK	870-010-0010	R47	RES, TF,2.2.5%,1/10W,TC250,0805	741-117-2229
Q5	TRANS, PNP,KRA104S,SOT-23,SW,(PD)	870-010-0005	R48	RES, TF,2.2.5%,1/10W,TC250,0805	741-117-2229
Q6	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R49	RES, TF, 0, 5%,1/16W, +/-200,0603	741-102-1000
Q7	TRANS, PNP,KTA1504(Y),SOT-23,SW	870-100-0004	R50	RES, TF,1M,5%,1/16W,+/-200,0603	741-102-1105
Q8	TRANS, PNP,KTA1504(Y),SOT-23,SW	870-100-0004	R51	RES, TF,2.2.5%,1/10W,TC250,0805	741-117-2229
Q11	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R52	RES, TF,3.3K,5%,1/16W,+/-200,0603	741-102-1332
Q12	TRANS, NPN,BFR92A,SOT-23	870-200-0020	R53	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
Q13	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R54	RES, TF,1K,5%,1/16W,+/-200,0603	741-102-1102
Q14	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R55	RES, TF,1.5K,5%,1/16W,+/-200,0603	741-102-1152
Q16	TRANS, NPN,BFR92A,SOT-23	870-200-0020	R56	RES, TF,120 5%,1/16W,+/-200,0603	741-102-1121
Q17	TRANS, 900MHZ AMP,MMBR951,SOT-23	870-200-0026	R57	RES, TF,100K,1%,1/16W,0603	740-211-1003
Q18	TRANS, NPN,KRC104SND,SOT-23,SW,ND	870-020-0001	R58	RES, TF,470K,5%,1/16W,+/-200,0603	741-102-1474
Q19	Trans, NPN,KTC3875(BL),SOT-23,	870-200-0006	R59	RES, TF,39,5%,1/16W,+/-200,0603	741-102-1390
Q21	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R61	RES, TF,68K,1%,1/16W,+/-100,0603	740-211-1683
Q22	TRANS, PNP,KTA1663(Y),SOT-89,HC/SW,H(Y)	870-150-0002	R64	RES, TF,22,5%,1/16W,+/-200,0603	741-102-1220
Q25	TRANS, NPN,BFR92A,SOT-23	870-200-0020	R65	RES, TF,51,5%,1/16W,+/-200,0603	741-102-1510
Q31	TRANS, NPN,KRC104SND,SOT-23,SW,ND	870-020-0001	R66	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
Q32	TRANS, NPN,KRC104SND,SOT-23,SW,ND	870-020-0001	R68	RES, TF,680K,5%,1/16W,+/-200,0603	741-102-1684
Q34	TRANS, NPN,KRC104SND,SOT-23,SW,ND	870-020-0001	R69	RES, TF,470K,5%,1/16W,+/-200,0603	741-102-1474
Q901	TRANS, NPN,KTC4075,UMT3	870-200-0031	R70	RES, TF,470K,5%,1/16W,+/-200,0603	741-102-1474
Q902	TRANS, PNP,KTA2014, UMT	870-100-0018	R71	RES, TF,1K,5%,1/16W,+/-200,0603	741-102-1102
Q903	TRANS, NPN,KTC4075,UMT3	870-200-0031	R72	RES, TF,470K,5%,1/16W,+/-200,0603	741-102-1474

# MAXON SD-125 RF LINK MODULE

REF #	DESCRIPTION	PART #
R74	RES, TF, 22K, 5%, 1/16W, +/-200, 0603	741-102-1223
R75	RES, TF, 18K, 5%, 1/16W, +/-200, 0603	741-102-1183
R76	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103
R77	RES, TF, 1.2K, 5%, 1/16W, +/-200, 0603	741-102-1122
R78	RES, TF, 22K, 5%, 1/16W, +/-200, 0603	741-102-1223
R79	RES, TF, 10, 5%, 1/16W, +/-200, 0603	741-102-1100
R82	RES, TF, 33K, 5%, 1/16W, +/-200, 0603	741-102-1333
R83	RES, TF, 20K, 5%, 1/16W, +/-200, 0603	741-102-1203
R92	RES, TF, 4.7M, 5%, 1/16W, +/-200, 0603	741-102-1475
R94	RES, TF, 1K, 5%, 1/16W, +/-200, 0603	741-102-1102
R95	RES, TF, 82K, 5%, 1/16W, +/-200, 0603	741-102-1823
R96	RES, TF, 39K, 5%, 1/16W, +/-200, 0603	741-102-1393
R97	RES, TF, 100, 5%, 1/16W, +/-200, 0603	741-102-1101
R98	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103
R99	RES, TF, 100K, 1%, 1/16W, 0603	740-211-1003
R100	RES, TF, 68K, 1%, 1/16W, +/-100, 0603	740-211-1683
R102	RES, TF, 22K, 5%, 1/16W, +/-200, 0603	741-102-1223
R103	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103
R104	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103
R105	RES, TF, 22K, 5%, 1/16W, +/-200, 0603	741-102-1223
R106	RES, TF, 22K, 5%, 1/16W, +/-200, 0603	741-102-1223
R108	RES, TF, 56K, 5%, 1/16W, +/-200, 0603	741-102-1563
R109	RES, TF, 0.1, 1%, 1W, +/-100, 0603	740-521-0R10
R110	RES, TF, 330, 5%, 1/16W, +/-200, 0603	741-102-1331
R111	RES, TF, 10K, 5%, 1/16W, +/-200, 0603	741-102-1103
R112	RES, TF, 22K, 5%, 1/16W, +/-200, 0603	741-102-1223
R115	RES, TF, 47K, 5%, 1/16W, +/-200, 0603	741-102-1473
R116	RES, TF, 0, 5%, 1/16W, +/-200, 0603	741-102-1000
R118	RES, TF, 680, 5%, 1/16W, +/-200, 0603	741-102-1681
R124	RES, TF, 100, 5%, 1/16W, +/-200, 0603	741-102-1101
R125	RES, TF, 47, 5%, 1/16W, +/-200, 0603	741-102-1470
R129	RES, TF, 0, 5%, 1/16W, +/-200, 0603	741-102-1000
R901	RES, TF, 2.2K, 5%, 1/16W, +/-200, 0603	741-102-1222
R902	RES, TF, 2.2K, 5%, 1/16W, +/-200, 0603	741-102-1222
R903	RES, TF, 4.7K, 5%, 1/16W, +/-200, 0603	741-102-1472
R904	RES, TF, 7.5K, 5%, 1/16W, +/-200, 0603	741-102-1752
R905	RES, TF, 27K, 5%, 1/16W, +/-200, 0603	741-102-1273
R906	RES, TF, 7.5K, 5%, 1/16W, +/-200, 0603	741-102-1752
R907	RES, TF, 27K, 5%, 1/16W, +/-200, 0603	741-102-1273
R908	RES, TF, 47, 5%, 1/16W, +/-200, 0603	741-102-1470
R909	RES, TF, 470, 5%, 1/16W, +/-200, 0603	741-102-1471
RV1	POT, VRES, 10K, +/-25%, TOP ADJ,	901-120-0103
RV2	POT, VRES, 100K, +/-25%, TOP ADJ,	901-120-0104
RV3	POT, VRES, 47K, +/-25%, TOP ADJ,	901-120-0473
RV6	POT, VRES, 10K, +/-25%, TOP ADJ,	901-120-0103
T1	COIL, VAR, 455KHZ QUAD, IFT, SMD	353-012-0001
T2	XFMR, B4F, FREQ. MIXER, 617PT-1019, SMT	840-010-0002
T3	XFMR, B4F, FREQ. MIXER, 617PT-1019, SMT	840-010-0002
X1	XTAL, 44.645M -30 15PM, 32P, RX 3RD, HC-45	168-044-6450
XF1	FILTER, XTAL, KFN1045AA, 45.1M	310-030-0015

# MAXON SD-125 RF LINK MODULE

## SD-125 (U2 440-470MHZ) RF BOARD PARTS LIST (650-020-0026)

REF #	DESCRIPTION	PART #	REF #	DESCRIPTION	PART #
<b>REPLACEMENT MODULES</b>					
	ASSY, PCB,FRONT END,UHF,440-470MHZ	650-110-0017	<b>C60</b>	CAP, TA,4.7UF,20%,10V,A	102-023-0475
	ASSY, PCB,PWR AMP,UHF,440-470MHZ	650-230-0016	<b>C61</b>	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106
	ASSY, PCB,TCXO	650-100-0002	<b>C62</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
	ASSY, PCB,VCO TX/RX,UHF,440-470MHZ	650-030-0023	<b>C63</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C1</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C64</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C2</b>	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106	<b>C65</b>	CAP, TA,10UF,20%,10V,B,3528	102-023-1106
<b>C3</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C66</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C4</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C67</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C5</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C68</b>	CAP, CER,470PF,5%,50V,COG,0805	100-520-2471
<b>C6</b>	CAP, TA,4.7UF,20%,10V,A	102-023-0475	<b>C73</b>	CAP, CER,10PF,0.25PF,COG,50V,0805	100-020-2100
<b>C7</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C74</b>	CAP, CER,16PF,5%,50V,COG,0805	100-520-2160
<b>C8</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C75</b>	CAP, CER,5PF,0.25PF,50V,COG,0805	100-020-2050
<b>C9</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C76</b>	CAP, CER,1PF,0.25PF,50V,COG,0805	100-020-2010
<b>C11</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	<b>C77</b>	CAP, CER,470PF,5%,50V,COG,0805	100-520-2471
<b>C12</b>	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106	<b>C78</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C13</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103	<b>C79</b>	CAP, CER,0.1UF,10%,25V,X7R,0805	100-611-2104
<b>C14</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C80</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C15</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	<b>C81</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C16</b>	CAP, CER,2PF,0.25PF,50V,COG,0603	100-020-1020	<b>C82</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C17</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	<b>C83</b>	CAP, CER,7PF,0.5PF,50V,COG,0603	100-120-1070
<b>C18</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	<b>C84</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C19</b>	CAP, CER,220PF,5%,50V,COG,0603	100-520-1221	<b>C87</b>	CAP, CER,22PF,5%,50V,COG,0603	100-520-1220
<b>C21</b>	CAP, METAL,POLY,0.33UF,63V BOX	083-013-2334	<b>C87</b>	CAP, CER,9PF,0.5PF,50V,COG,0603	100-120-1090
<b>C22</b>	CAP, METAL POLY,0.022UF,10%,63V BOX	083-013-2223	<b>C88</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104
<b>C23</b>	CAP, METAL POLY,0.01UF,10%,63V KBOX	083-014-2103	<b>C90</b>	CAP, CER,7PF,0.5PF,50V,COG,0603	100-120-1070
<b>C24</b>	CAP, METAL POLY,0.01UF,10%,63V KBOX	083-014-2103	<b>C92</b>	CAP, CER,24PF,5%,50V,COG,0603	100-520-1240
<b>C25</b>	CAP, CER,1UF,+80-20%,16V,Y5V,0805	100-803-2105	<b>C93</b>	CAP, CER,82PF,5%,50V,COG,0603	100-520-1820
<b>C26</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	<b>C94</b>	CAP, CER,1UF,+80-20%,16V,Y5V,0805	100-803-2105
<b>C34</b>	CAP, CER,220PF,5%,50V,COG,0603	100-520-1221	<b>C96</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C35</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C97</b>	CAP, CER,30PF,5%,50V,COG,0603	100-520-1300
<b>C36</b>	CAP, CER,7PF,0.5PF,50V,COG,0805	100-110-2070	<b>C98</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102
<b>C37</b>	CAP, CER,5.6PF,0.25PF,50V,COG,0603	100-020-15R6	<b>C100</b>	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106
<b>C38</b>	CAP, CER,15PF,5%,50V,COG,0805	100-520-2150	<b>C101</b>	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106
<b>C39</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C102</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102
<b>C41</b>	CAP, CER,6PF,0.5PF,50V,COG,0805	100-120-2060	<b>C103</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C42</b>	CAP, CER,27PF,5%,50V,COG,0805	100-520-2270	<b>C104</b>	CAP, TA,1UF,20%,25V,3216	102-053-0105
<b>C43</b>	CAP, CER,5PF,0.25PF,50V,COG,0603	100-020-1050	<b>C111</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C44</b>	CAP, CER,1UF,+80-20%,16V,Y5V,0805	100-803-2105	<b>C117</b>	CAP, CER,47PF,5%,50V,COG,0603	100-520-1470
<b>C45</b>	CAP, CER,220PF,5%,50V,COG,0603	100-520-1221	<b>C118</b>	CAP, CER,33PF,5%,50V,COG,0603	100-520-1330
<b>C46</b>	CAP, CER,3PF,0.25PF,50V,COG,0603	100-020-1030	<b>C121</b>	CAP, CER,20PF,5%,50V,COG,0603	100-520-1200
<b>C47</b>	CAP, CER,220PF,5%,50V,COG,0603	100-520-1221	<b>C122</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C49</b>	CAP, CER,4.7PF,0.5PF,50V,COG,0805	100-120-24R7	<b>C123</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C50</b>	CAP, CER,12PF,5%,50V,COG,0603	100-520-1120	<b>C124</b>	CAP, CER,0.1UF,10%,25V,X7R,0805	100-611-2104
<b>C51</b>	CAP, CER,6.8PF,0.5PF,50V,COG,0603	100-120-16R8	<b>C125</b>	CAP, CER,0.1UF,10%,25V,X7R,0805	100-611-2104
<b>C53</b>	CAP, CER,1UF,+80-20%,16V,Y5V,0805	100-803-2105	<b>C126</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C54</b>	CAP, CER,220PF,5%,50V,COG,0603	100-520-1221	<b>C127</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C55</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C128</b>	CAP, TA,4.7UF,20%,10V,A	102-023-0475
<b>C56</b>	CAP, CER,6.8PF,0.5PF,50V,COG,0603	100-120-16R8	<b>C129</b>	CAP, ELE,10UF,16V,20%,3X5.5OPT	081-032-3106
<b>C57</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C131</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102
<b>C58</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C133</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104
<b>C59</b>	CAP, CER,0.47UF,+20-80%,16V,Y5V,0805	100-803-2474	<b>C152</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
			<b>C901</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
			<b>C902</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
			<b>C904</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
			<b>C905</b>	CAP, CER,68PF,5%,50V,COG,0603	100-520-1680
			<b>C906</b>	CAP, CER,220PF,5%,50V,COG,0603	100-520-1221

### NOTES:

1. Components are not available, assembly is non-repairable.

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## SD-125 RF LINK MODULE

REF #	DESCRIPTION	PART #	REF #	DESCRIPTION	PART #
C907	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103	Q903	TRANS, PNP,KTA2014, USM	870-100-0018
C909	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103	Q904	TRANS, PNP,KTA2014, USM	870-100-0018
CF1	FILTER, CER, LT-455FW,455KHZ	310-101-0010	Q905	TRANS, PNP,KTA2014, USM	870-100-0018
CF2	FILTER, CER,CF455HT,455KHZ	310-010-0013	R1	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
CON1	CONN, SKT,18P/DIP,2.0MMST,SMT	140-020-0056	R2	RES, TF,100K,5%,1/16W,+/-200,0603	741-102-1104
D5	DIODE, PIN,UPP9401,(T&R)50V,2.5W	220-020-0001	R3	RES, TF,2.2K,5%,1/16W,+/-200,0603	741-102-1222
D6	DIODE, PIN,UPP9401,(T&R)50V,2.5W	220-020-0001	R4	RES, TF,1.8K,5%,1/16W,+/-200,0603	741-102-1182
D9	DIODE, SCHOTTKY,CHIP,HSMS-2817#L31	220-040-0009	R5	RES, TF,1.8K,5%,1/16W,+/-200,0603	741-102-1182
D12	DIODE, SW,KDS193,SOT-23	220-010-0003	R6	RES, TF,2K,5%,1/16W,+/-200,0603	741-102-1202
D13	DIODE, SW,KDS181S,SOT-23	220-010-0004	R7	RES, TF,1.8K,5%,1/16W,+/-200,0603	741-102-1182
D14	DIODE, SW,KDS181S,SOT-23	220-010-0004	R8	RES, TF,910,5%,1/10W,TC250,0805	741-117-2911
D903	DIODE, SW,KDS226,SOT-23	220-010-0005	R11	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
D904	DIODE, SW,KDS226,SOT-23	220-010-0005	R12	RES, TF,5.6K,5%,1/16W,+/-200,0603	741-102-1562
H3	SCRW, MACH,STL,M2X6,FLH,PHL,ZN	330-110-0142	R13	RES, TF,2.7K,5%,1/16W,+/-200,0603	741-102-1272
H4	SCRW, MACH,STL,M2X6,FLH,PHL,ZN	330-110-0142	R14	RES, TF,2.7K,5%,1/16W,+/-200,0603	741-102-1272
IC1	IC, VREG,TK11450MTR,+5V,SOT-23L,(R5)	441-010-0002	R15	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
IC2	IC, PLL,MC145191FR2,SO-20,RS-440	440-050-0011	R16	RES, TF,910,5%,1/10W,TC250,0805	741-117-2911
IC3	IC, OP AMP,LM358MX,SO-8,DUAL	441-030-0006	R17	RES, TF,12K,5%,1/16W,+/-200,0603	741-102-1123
IC5	IC, VHF RCVR,MC3371D,SO-16,NWRBAND	441-060-0007	R21	RES, TF,33,5%,1/16W,+/-200,0603	741-102-1330
IC7	IC, OP AMP,LM358MX,SO-8,DUAL	441-030-0006	R22	RES, TF,4.7K,5%,1/16W,+/-200,0603	741-102-1472
IC8	IC, OP AMP,DUAL,TL062CCR,SO-8	441-030-0012	R23	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
L1	COIL, CHIP,18NH,20%,LL2012-F18NM	371-010-5180	R24	RES, TF,5.6K,5%,1/16W,+/-200,0603	741-102-1562
L2	COIL, CHIP,18NH,20%,LL2012-F18NM	371-010-5180	R25	RES, TF,4.7K,5%,1/16W,+/-200,0603	741-102-1472
L3	COIL, CHIP,18NH,20%,LL2012-F18NM	371-010-5180	R26	RES, TF,18,5%,1/16W,+/-200,0603	741-102-1180
L4	COIL, CHIP,18NH,20%,LL2012-F18NM	371-010-5180	R27	RES, TF,4.7K,5%,1/16W,+/-200,0603	741-102-1472
L5	COIL, CHIP,18NH,20%,LL2012-F18NM	371-010-5180	R28	RES, TF,220,5%,1/16W,+/-200,0603	741-102-1221
L6	COIL, CHIP,0.82UH:NL252018T-R82J	371-804-3R82	R31	RES, TF,300,5%,1/16W,+/-200,0603	741-102-1301
L7	COIL, SPRG, 2X0.75X3T:L SMD	350-000-0103	R32	RES, TF,300,5%,1/16W,+/-200,0603	741-102-1301
L8	COIL, SPRG, 2X0.75X3T:L SMD	350-000-0103	R33	RES, TF,6.8K, 5%, 1/16W,+/-200, 0603	741-102-1682
L11	COIL, SPRG, 2X0.75X3T:L SMD	350-000-0103	R34	RES, TF,18,5%,1/16W,+/-200,0603	741-102-1180
L12	COIL, CHIP,1.2UH,5%,NL252018T-1R2J	371-004-31R2	R35	RES, TF,5.6K,5%,1/16W,+/-200,0603	741-102-1562
L13	COIL, SPRG, 1.0X0.35X7T;R,	350-000-0095	R36	RES, TF, 0, 5%, 1/16W,+/-200,0603	741-102-1000
L14	COIL, CHIP,0.47UH:NL252018T-R47J	371-804-3R47	R37	RES, TF,1.2K,5%,1/16W,+/-200,0603	741-102-1122
L15	COIL, CHIP,0.15UH,5%,NL252018T-R15J	371-004-3R15	R41	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
L18	COIL, CHIP,1UH,5%,NL252018T-1R0J	371-017-3102	R42	RES, TF,12K,5%,1/16W,+/-200,0603	741-102-1123
L19	COIL CHIP,10UH,CYLNDRCCL,+/-10%,1206	371-005-3103	R43	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
Q2	TRANS, PNP,KRA110SPK,SOT-23,SW,PK	870-010-0010	R45	RES, TF,12K,5%,1/16W,+/-200,0603	741-102-1123
Q3	TRANS, PNP,KRA110SPK,SOT-23,SW,PK	870-010-0010	R46	RES, TF,2.2K,5%,1/16W,+/-200,0603	741-102-1222
Q4	TRANS, PNP,KRA110SPK,SOT-23,SW,PK	870-010-0010	R47	RES, TF,2.2,5%,1/10W,TC250,0805	741-117-2229
Q5	TRANS, PNP,KRA104S,SOT-23,SW,(PD)	870-010-0005	R48	RES, TF,2.2,5%,1/10W,TC250,0805	741-117-2229
Q6	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R49	RES, TF, 0, 5%, 1/16W,+/-200,0603	741-102-1000
Q7	TRANS, PNP,KTA1504(Y),SOT-23,SW	870-100-0004	R50	RES, TF,1M,5%,1/16W,+/-200,0603	741-102-1105
Q8	TRANS, PNP,KTA1504(Y),SOT-23,SW	870-100-0004	R51	RES, TF,2.2,5%,1/10W,TC250,0805	741-117-2229
Q11	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R52	RES, TF,3.3K,5%,1/16W,+/-200,0603	741-102-1332
Q12	TRANS, NPN,BFR92A,SOT-23	870-200-0020	R53	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
Q13	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R54	RES, TF,1K,5%,1/16W,+/-200,0603	741-102-1102
Q14	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R55	RES, TF,1.5K,5%,1/16W,+/-200,0603	741-102-1152
Q16	TRANS, NPN,BFR92A,SOT-23	870-200-0020	R56	RES, TF,120 5%,1/16W,+/-200,0603	741-102-1121
Q17	TRANS, 900MHZ AMP,MMBR951,SOT-23	870-200-0026	R57	RES, TF,100K,1%,1/16W,0603	740-211-1003
Q18	TRANS, NPN,KRC104SND,SOT-23,SW,ND	870-020-0001	R58	RES, TF,470K,5%,1/16W,+/-200,0603	741-102-1474
Q19	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R59	RES, TF,39,5%,1/16W,+/-200,0603	741-102-1390
Q21	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R61	RES, TF,68K,1%,1/16W,+/-100,0603	740-211-1683
Q22	TRANS, PNP,KTA1663(Y),SOT-89,HC/SW,H(Y)	870-150-0002	R64	RES, TF,22,5%,1/16W,+/-200,0603	741-102-1220
Q25	TRANS, NPN,BFR92A,SOT-23	870-200-0020	R65	RES, TF,51,5%,1/16W,+/-200,0603	741-102-1510
Q31	TRANS, NPN,KRC104SND,SOT-23,SW,ND	870-020-0001	R66	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
Q32	TRANS, NPN,KRC104SND,SOT-23,SW,ND	870-020-0001	R68	RES, TF,680K,5%,1/16W,+/-200,0603	741-102-1684
Q34	TRANS, NPN,KRC104SND,SOT-23,SW,ND	870-020-0001	R69	RES, TF,470K,5%,1/16W,+/-200,0603	741-102-1474
Q901	TRANS, PNP,KTA2014, USM	870-100-0018	R70	RES, TF,470K,5%,1/16W,+/-200,0603	741-102-1474
Q902	TRANS, NPN,KTC4075,UMT3	870-200-0031	R71	RES, TF,1K,5%,1/16W,+/-200,0603	741-102-1102

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## SD-125 RF LINK MODULE

REF #	DESCRIPTION	PART #
R72	RES, TF,470K,5%,1/16W,+/-200,0603	741-102-1474
R74	RES, TF,22K,5%,1/16W,+/-200,0603	741-102-1223
R76	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
R77	RES, TF,1.2K,5%,1/16W,+/-200,0603	741-102-1122
R78	RES, TF,22K,5%,1/16W,+/-200,0603	741-102-1223
R79	RES, TF,10,5%,1/16W,+/-200,0603	741-102-1100
R82	RES, TF,33K,5%,1/16W,+/-200,0603	741-102-1333
R83	RES, TF,20K,5%,1/16W,+/-200,0603	741-102-1203
R92	RES, TF,4.7M,5%,1/16W,+/-200,0603	741-102-1475
R94	RES, TF,1K,5%,1/16W,+/-200,0603	741-102-1102
R95	RES, TF,82K,5%,1/16W,+/-200,0603	741-102-1823
R96	RES, TF,39K,5%,1/16W,+/-200,0603	741-102-1393
R97	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
R98	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
R99	RES, TF,100K,1%,1/16W,0603	740-211-1003
R100	RES, TF,68K,1%,1/16W,+/-100,0603	740-211-1683
R102	RES, TF,22K,5%,1/16W,+/-200,0603	741-102-1223
R103	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
R104	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
R105	RES, TF,22K,5%,1/16W,+/-200,0603	741-102-1223
R106	RES, TF,22K,5%,1/16W,+/-200,0603	741-102-1223
R108	RES, TF,56K,5%,1/16W,+/-200,0603	741-102-1563
R109	RES, TF,0.1,1%,1W,+/-100,0603	740-521-0R10
R110	RES, TF,330,5%,1/16W,+/-200,0603	741-102-1331
R111	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
R112	RES, TF,22K,5%,1/16W,+/-200,0603	741-102-1223
R115	RES, TF,47K,5%,1/16W,+/-200,0603	741-102-1473
R116	RES, TF, 0, 5%,1/16W,+/-200,0603	741-102-1000
R118	RES, TF,680,5%,1/16W,+/-200,0603	741-102-1681
R124	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
R125	RES, TF,47,5%,1/16W,+/-200,0603	741-102-1470
R129	RES, TF, 0, 5%,1/16W,+/-200,0603	741-102-1000
R901	RES, TF,2.2K,5%,1/16W,+/-200,0603	741-102-1222
R902	RES, TF,2.2K,5%,1/16W,+/-200,0603	741-102-1222
R903	RES, TF,4.7K,5%,1/16W,+/-200,0603	741-102-1472
R905	RES, TF,27K,5%,1/16W,+/-200,0603	741-102-1273
R907	RES, TF,27K,5%,1/16W,+/-200,0603	741-102-1273
R908	RES, TF,47,5%,1/16W,+/-200,0603	741-102-1470
R909	RES, TF,470,5%,1/16W,+/-200,0603	741-102-1471
RV1	POT,VRES,10K,+/-25%,TOP ADJ,	901-120-0103
RV2	POT,VRES,100K,+/-25%,TOP ADJ,	901-120-0104
RV3	POT,VRES,47K,+/-25%,TOP ADJ,	901-120-0473
RV6	POT,VRES,10K,+/-25%,TOP ADJ,	901-120-0103
T1	COIL, VAR,455KHZ QUAD,IFT,SMD	353-012-0001
T2	XFMR, B4F, FREQ.MIXER,617PT-1019,SMT	840-010-0002
T3	XFMR, B4F, FREQ.MIXER,617PT-1019,SMT	840-010-0002
X1	XTAL, 44.645M -30 15PM,32P,RX 3RD,HC-45	168-044-6450
XF1	FILTER, XTAL,KFN1045AA,45.1M	310-030-0015

# MAXON SD-125 RF LINK MODULE

## SD-125 (V2 148-174MHz) RF BOARD PARTS LIST (650-020-0029)

REF #	DESCRIPTION	PART #	REF #	DESCRIPTION	PART #
<b>REPLACEMENT MODULES</b>			<b>C63</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
	FRONT-END ASSEMBLY (SEE NOTE 1)	650-110-0012	<b>C64</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
	POWER AMP ASSEMBLY (SEE NOTE 1)	650-230-0012	<b>C65</b>	CAP, TA,10UF,20%,10V,B,3528	102-023-1106
	VCO ASSEMBLY (SEE NOTE 1)	650-030-0025	<b>C66</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
	TCXO (SEE NOTE 1)	650-100-0002	<b>C67</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C1</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	<b>C68</b>	CAP, CER,0.001UF,10%,50V,X7R,0805	100-621-2102
<b>C2</b>	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106	<b>C72</b>	CAP, CER,9PF,0.25PF,50V,COG,0805	100-020-2090
<b>C3</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	<b>C73</b>	CAP, CER,30PF,5%,50V,COG,0805	100-520-2300
<b>C4</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	<b>C74</b>	CAP, CER,36PF,5%,50V,COG,0805	100-520-2360
<b>C5</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C75</b>	CAP, CER,22PF,5%,50V,COG,0805	100-520-2220
<b>C6</b>	CAP, TA,4.7UF,20%,10V,A	102-023-0475	<b>C76</b>	CAP, CER,6.8PF,0.5PF,50V,COG,0805,	100-120-26R8
<b>C7</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	<b>C77</b>	CAP, CER,0.001UF,10%,50V,X7R,0805	100-621-2102
<b>C8</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C78</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C9</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C79</b>	CAP, CER,0.1UF,10%,25V,X7R,0805	100-611-2104
<b>C11</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	<b>C80</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C12</b>	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106	<b>C81</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C13</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103	<b>C82</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C14</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C83</b>	CAP, CER,7PF,0.5PF,50V,COG,0603	100-120-1070
<b>C15</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	<b>C84</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102
<b>C16</b>	CAP, CER,2PF,0.25PF,50V,COG,0603	100-020-1020	<b>C88</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104
<b>C17</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	<b>C90</b>	CAP, CER,7PF,0.5PF,50V,COG,0603	100-120-1070
<b>C18</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	<b>C92</b>	CAP, CER,24PF,5%,50V,COG,0603	100-520-1240
<b>C19</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C93</b>	CAP, CER,82PF,5%,50V,COG,0603	100-520-1820
<b>C21</b>	CAP, METAL,POLY,0.33UF,63V BOX	083-013-2334	<b>C94</b>	CAP, CER,1UF,+80-20%,16V,Y5V,0805	100-803-2105
<b>C22</b>	CAP, METAL POLY,0.022UF,10%,63V BOX	083-013-2223	<b>C96</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C23</b>	CAP, METAL POLY,0.01UF,10%,63V KBOX	083-014-2103	<b>C97</b>	CAP, CER,33PF,5%,50V,COG,0603	100-520-1330
<b>C24</b>	CAP, METAL POLY,0.01UF,10%,63V KBOX	083-014-2103	<b>C98</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102
<b>C25</b>	CAP, CER,1UF,+80-20%,16V,Y5V,0805	100-803-2105	<b>C100</b>	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106
<b>C26</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104	<b>C101</b>	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106
<b>C34</b>	CAP, CER,220PF,5%,50V,COG,0603	100-520-1221	<b>C102</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102
<b>C35</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	<b>C103</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C36</b>	CAP, CER,14PF,5%,50V,COG,0805	100-520-2140	<b>C104</b>	CAP, TA,1UF,20%,25V,3216	102-053-0105
<b>C37</b>	CAP, CER,33PF,5%,50V,COG,0603	100-520-1330	<b>C111</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471
<b>C38</b>	CAP, CER,43PF,5%,50V,COG,0805	100-520-2430	<b>C117</b>	CAP, CER,47PF,5%,50V,COG,0603	100-520-1470
<b>C39</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	<b>C118</b>	CAP, CER,33PF,5%,50V,COG,0603	100-520-1330
<b>C42</b>	CAP, CER,0.001UF,10%,50V,X7R,0805	100-621-2102	<b>C121</b>	CAP, CER,20PF,5%,50V,COG,0603	100-520-1200
<b>C43</b>	CAP, CER,3PF,0.25PF,50V,COG,0603	100-020-1030	<b>C122</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C44</b>	CAP, CER,1UF,+80-20%,16V,Y5V,0805	100-803-2105	<b>C123</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C45</b>	CAP, CER,10PF,0.5PF,50V,COG,0603	100-120-1100	<b>C124</b>	CAP, CER,0.1UF,10%,25V,X7R,0805	100-611-2104
<b>C46</b>	CAP, CER,9PF,0.5PF,50V,COG,0603	100-120-1090	<b>C125</b>	CAP, CER,0.1UF,10%,25V,X7R,0805	100-611-2104
<b>C47</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C126</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C50</b>	CAP, CER,24PF,5%,50V,COG,0603	100-520-1240	<b>C127</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C51</b>	CAP, CER,22PF,5%,50V,COG,0603	100-520-1220	<b>C128</b>	CAP, TA,4.7UF,20%,10V,A	102-023-0475
<b>C53</b>	CAP, CER,1UF,+80-20%,16V,Y5V,0805	100-803-2105	<b>C129</b>	CAP, ELE,10UF,16V,20%,3X5,5.0PT	081-032-3106
<b>C54</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102	<b>C131</b>	CAP, CER,0.001UF,10%,50V,X7R,0603	100-621-1102
<b>C55</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C133</b>	CAP, CER,0.1UF,+80-20%,25V,Y5V,0603	100-813-1104
<b>C57</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C901</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C58</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C902</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C59</b>	CAP, CER,0.47UF,+20-80%,16V,Y5V,0805	100-803-2474	<b>C904</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
<b>C60</b>	CAP, TA,4.7UF,20%,10V,A	102-023-0475	<b>C905</b>	CAP, CER,68PF,5%,50V,COG,0603	100-520-1680
<b>C61</b>	CAP, TA,10UF,20%,6.3V,3216,A	102-013-0106	<b>C906</b>	CAP, CER,220PF,5%,50V,COG,0603	100-520-1221
<b>C62</b>	CAP, CER,470PF,10%,50V,X7R,0603	100-621-1471	<b>C907</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
			<b>C909</b>	CAP, CER,0.01UF,10%,25V,X7R,0603	100-611-1103
			<b>CF1</b>	FILTER, CER, LT-455FW,455KHZ	310-101-0010
			<b>CF2</b>	FILTER, CER,CF455HT,455KHZ	310-010-0013

**NOTES:**

1. Components are not available, assembly is non-repairable.

# MAXON SD-125 RF LINK MODULE

REF #	DESCRIPTION	PART #	REF #	DESCRIPTION	PART #
CON1	CONN, SKT,18P/DIP,2.0MMST,SMT	140-020-0056	R2	RES, TF,100K,5%,1/16W,+/-200,0603	741-102-1104
D5	DIODE, PIN,UPP9401,(T&R)50V,2.5W	220-020-0001	R3	RES, TF,2.2K,5%,1/16W,+/-200,0603	741-102-1222
D6	DIODE, PIN,UPP9401,(T&R)50V,2.5W	220-020-0001	R4	RES, TF,1.8K,5%,1/16W,+/-200,0603	741-102-1182
D9	DIODE, SCHOTTKY,CHIP,HSMS-2817#L31	220-040-0009	R5	RES, TF,1.8K,5%,1/16W,+/-200,0603	741-102-1182
D12	DIODE, SW,KDS193,SOT-23	220-010-0003	R6	RES, TF,2K,5%,1/16W,+/-200,0603	741-102-1202
D13	DIODE, SW,KDS181S,SOT-23	220-010-0004	R7	RES, TF,1.8K,5%,1/16W,+/-200,0603	741-102-1182
D14	DIODE, SW,KDS181S,SOT-23	220-010-0004	R8	RES, TF,910,5%,1/10W,TC250,0805	741-117-2911
D903	DIODE, SW,KDS226,SOT-23	220-010-0005	R11	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
D904	DIODE, SW,KDS226,SOT-23	220-010-0005	R12	RES, TF,5.6K,5%,1/16W,+/-200,0603	741-102-1562
H3	SCRW, MACH,STL,M2X6,FLH,PHL,ZN	330-110-0142	R13	RES, TF,2.7K,5%,1/16W,+/-200,0603	741-102-1272
H4	SCRW, MACH,STL,M2X6,FLH,PHL,ZN	330-110-0142	R14	RES, TF,2.7K,5%,1/16W,+/-200,0603	741-102-1272
IC1	IC, VREG,TK11450MTR,+5V,SOT-23L,(R5)	441-010-0002	R15	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
IC2	IC, PLL,MC145191FR2,SO-20,RS-440	440-050-0011	R16	RES, TF,910,5%,1/10W,TC250,0805	741-117-2911
IC3	IC, OP AMP,LM358MX,SO-8,DUAL	441-030-0006	R17	RES, TF,12K,5%,1/16W,+/-200,0603	741-102-1123
IC5	IC, VHF RCVR,MC3371D,SO-16,NWRBAND	441-060-0007	R21	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
IC7	IC, OP AMP,LM358MX,SO-8,DUAL	441-030-0006	R22	RES, TF,4.7K,5%,1/16W,+/-200,0603	741-102-1472
IC8	IC, OP AMP,DUAL,TL062CDR,SO-8	441-030-0012	R23	RES, TF,120 5%,1/16W,+/-200,0603	741-102-1121
L1	COIL, CHIP,47NH,20%,LL2012-F47NM	371-010-5470	R24	RES, TF,5.6K,5%,1/16W,+/-200,0603	741-102-1562
L3	COIL, CHIP,1.2UH,5%,NL252018T-1R2J	371-004-31R2	R25	RES, TF,3.3K,5%,1/16W,+/-200,0603	741-102-1332
L4	COIL, CHIP 0.1UH:NL252018T-R10J	371-804-3R10	R26	RES, TF,18,5%,1/16W,+/-200,0603	741-102-1180
L5	COIL, CHIP 0.1UH:NL252018T-R10J	371-804-3R10	R27	RES, TF,4.7K,5%,1/16W,+/-200,0603	741-102-1472
L6	COIL, CHIP,1UH,5%,NL252018T-1R0J	371-017-3102	R28	RES, TF,56,5%,1/16W,+/-200,0603	741-102-1560
L7	COIL, SPRG,3X0.55X4T:L SMD	350-000-0104	R31	RES, TF,300,5%,1/16W,+/-200,0603	741-102-1301
L8	COIL, SPRG, 3X0.55X5T:L SMD	350-000-0105	R32	RES, TF,300,5%,1/16W,+/-200,0603	741-102-1301
L11	COIL, SPRG, 3X0.55X5T:L SMD	350-000-0105	R33	RES, TF,3.3K,5%,1/16W,+/-200,0603	741-102-1332
L12	COIL, CHIP,1.2UH,5%,NL252018T-1R2J	371-004-31R2	R34(C87)	RES, TF,18,5%,1/16W,+/-200,0603	741-102-1180
L13	COIL, SPRG,2.8X0.4X8T:L,SMD	350-000-0106	R35	RES, TF,8.2K,5%,1/16W,+/-200,0603	741-102-1822
L14	COIL, CHIP,0.47UH:NL252018T-R47J	371-804-3R47	R36	RES, TF, 0, 5%,1/16W, +/-200,0603	741-102-1000
L15	COIL, CHIP,0.15UH,5%,NL252018T-R15J	371-004-3R15	R37	RES, TF,3.3K,5%,1/16W,+/-200,0603	741-102-1332
L18	COIL, CHIP,1UH,5%,NL252018T-1R0J	371-017-3102	R41	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
L19	COIL CHIP,10UH,CYLNDRCCL,+/-10%,1206	371-005-3103	R42	RES, TF,12K,5%,1/16W,+/-200,0603	741-102-1123
Q2	TRANS, PNP,KRA110SPK,SOT-23,SW,PK	870-010-0010	R43	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
Q3	TRANS, PNP,KRA110SPK,SOT-23,SW,PK	870-010-0010	R45	RES, TF,12K,5%,1/16W,+/-200,0603	741-102-1123
Q4	TRANS, PNP,KRA110SPK,SOT-23,SW,PK	870-010-0010	R46	RES, TF,2.2K,5%,1/16W,+/-200,0603	741-102-1222
Q5	TRANS, PNP,KRA104S,SOT-23,SW,(PD)	870-010-0005	R47	RES, TF,18,5%,1/10W,TC250,0805	741-117-2180
Q6	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R48	RES, TF,18,5%,1/10W,TC250,0805	741-117-2180
Q7	TRANS, PNP,KTA1504(Y),SOT-23,SW	870-100-0004	R49	RES, TF, 0, 5%,1/16W, +/-200,0603	741-102-1000
Q8	TRANS, PNP,KTA1504(Y),SOT-23,SW	870-100-0004	R50	RES, TF,1M,5%,1/16W,+/-200,0603	741-102-1105
Q11	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R51	RES, TF,18,5%,1/10W,TC250,0805	741-117-2180
Q12	TRANS, NPN,BFR92A,SOT-23	870-200-0020	R52	RES, TF,3.3K,5%,1/16W,+/-200,0603	741-102-1332
Q13	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R53	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103
Q14	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R54	RES, TF,1K,5%,1/16W,+/-200,0603	741-102-1102
Q16	TRANS, 900MHZ AMP,MMBR951,SOT-23	870-200-0026	R55	RES, TF,2.7K,5%,1/16W,+/-200,0603	741-102-1272
Q17	TRANS, 900MHZ AMP,MMBR951,SOT-23	870-200-0026	R56	RES, TF,270,5%,1/16W,+/-200,0603	741-102-1271
Q18	TRANS, NPN,KRC104SND,SOT-23,SW,ND	870-020-0001	R57	RES, TF,100K,1%,1/16W,0603	740-211-1003
Q19	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R58	RES, TF,470K,5%,1/16W,+/-200,0603	741-102-1474
Q21	TRANS, NPN,KTC3875(BL),SOT-23,	870-200-0006	R59	RES, TF,39,5%,1/16W,+/-200,0603	741-102-1390
Q22	TRANS, PNP,KTA1663(Y),SOT-89,HC/SW,H(Y)	870-150-0002	R61	RES, TF,68K,1%,1/16W,+/-100,0603	740-211-1683
Q25	TRANS, NPN,BFR92A,SOT-23	870-200-0020	R64	RES, TF,22,5%,1/16W,+/-200,0603	741-102-1220
Q31	TRANS, NPN,KRC104SND,SOT-23,SW,ND	870-020-0001	R65	RES, TF,51,5%,1/16W,+/-200,0603	741-102-1510
Q32	TRANS, NPN,KRC104SND,SOT-23,SW,ND	870-020-0001	R66	RES, TF,100,5%,1/16W,+/-200,0603	741-102-1101
Q34	TRANS, NPN,KRC104SND,SOT-23,SW,ND	870-020-0001	R68	RES, TF,680K,5%,1/16W,+/-200,0603	741-102-1684
Q901	TRANS, NPN,KTC4075,UMT3	870-200-0031	R69	RES, TF,470K,5%,1/16W,+/-200,0603	741-102-1474
Q902	TRANS, PNP,KTA2014, USM	870-100-0018	R70	RES, TF,470K,5%,1/16W,+/-200,0603	741-102-1474
Q903	TRANS, NPN,KTC4075,UMT3	870-200-0031	R71	RES, TF,1K,5%,1/16W,+/-200,0603	741-102-1102
Q904	TRANS, NPN,KTC4075,UMT3	870-200-0031	R72	RES, TF,470K,5%,1/16W,+/-200,0603	741-102-1474
Q905	TRANS, NPN,KTC4075,UMT3	870-200-0031	R74	RES, TF,22K,5%,1/16W,+/-200,0603	741-102-1223
R(L2)	RES, TF,0, +/-5%,1/10W,+/-250,0805	741-117-2000	R75	RES, TF,47K,5%,1/16W,+/-200,0603	741-102-1473
R1	RES, TF,10K,5%,1/16W,+/-200,0603	741-102-1103			

# MAXON SD-125 RF LINK MODULE

REF #	DESCRIPTION	PART #
R76	RES, TF, 10K, 5%, 1/16W, +/-200,0603	741-102-1103
R77	RES, TF, 1.2K, 5%, 1/16W, +/-200,0603	741-102-1122
R78	RES, TF, 22K, 5%, 1/16W, +/-200,0603	741-102-1223
R79	RES, TF, 10, 5%, 1/16W, +/-200,0603	741-102-1100
R82	RES, TF, 33K, 5%, 1/16W, +/-200,0603	741-102-1333
R83	RES, TF, 20K, 5%, 1/16W, +/-200,0603	741-102-1203
R90	RES, TF, 300, 5%, 1/16W, +/-200,0603	741-102-1301
R91	RES, TF, 300, 5%, 1/16W, +/-200,0603	741-102-1301
R92	RES, TF, 4.7M, 5%, 1/16W, +/-200,0603	741-102-1475
R94	RES, TF, 1K, 5%, 1/16W, +/-200,0603	741-102-1102
R95	RES, TF, 82K, 5%, 1/16W, +/-200,0603	741-102-1823
R96	RES, TF, 39K, 5%, 1/16W, +/-200,0603	741-102-1393
R97	RES, TF, 100, 5%, 1/16W, +/-200,0603	741-102-1101
R98	RES, TF, 10K, 5%, 1/16W, +/-200,0603	741-102-1103
R99	RES, TF, 100K, 1%, 1/16W, 0603	740-211-1003
R100	RES, TF, 68K, 1%, 1/16W, +/-100,0603	740-211-1683
R102	RES, TF, 22K, 5%, 1/16W, +/-200,0603	741-102-1223
R103	RES, TF, 10K, 5%, 1/16W, +/-200,0603	741-102-1103
R104	RES, TF, 10K, 5%, 1/16W, +/-200,0603	741-102-1103
R105	RES, TF, 22K, 5%, 1/16W, +/-200,0603	741-102-1223
R106	RES, TF, 22K, 5%, 1/16W, +/-200,0603	741-102-1223
R108	RES, TF, 56K, 5%, 1/16W, +/-200,0603	741-102-1563
R109	RES, TF, 0.1, 1%, 1W, +/-100,0603	740-521-0R10
R110	RES, TF, 330, 5%, 1/16W, +/-200,0603	741-102-1331
R111	RES, TF, 10K, 5%, 1/16W, +/-200,0603	741-102-1103
R112	RES, TF, 22K, 5%, 1/16W, +/-200,0603	741-102-1223
R115	RES, TF, 47K, 5%, 1/16W, +/-200,0603	741-102-1473
R116	RES, TF, 0, 5%, 1/16W, +/-200,0603	741-102-1000
R118	RES, TF, 680, 5%, 1/16W, +/-200,0603	741-102-1681
R124	RES, TF, 100, 5%, 1/16W, +/-200,0603	741-102-1101
R125	RES, TF, 22, 5%, 1/16W, +/-200,0603	741-102-1220
R129(C56)	RES, TF, 0, 5%, 1/16W, +/-200,0603	741-102-1000
R901	RES, TF, 2.2K, 5%, 1/16W, +/-200,0603	741-102-1222
R902	RES, TF, 2.2K, 5%, 1/16W, +/-200,0603	741-102-1222
R903	RES, TF, 4.7K, 5%, 1/16W, +/-200,0603	741-102-1472
R904	RES, TF, 7.5K, 5%, 1/16W, +/-200,0603	741-102-1752
R905	RES, TF, 27K, 5%, 1/16W, +/-200,0603	741-102-1273
R906	RES, TF, 7.5K, 5%, 1/16W, +/-200,0603	741-102-1752
R907	RES, TF, 27K, 5%, 1/16W, +/-200,0603	741-102-1273
R908	RES, TF, 47, 5%, 1/16W, +/-200,0603	741-102-1470
R909	RES, TF, 470, 5%, 1/16W, +/-200,0603	741-102-1471
RV1	POT, VRES, 10K, +/-25%, TOP ADJ,	901-120-0103
RV2	POT, VRES, 100K, +/-25%, TOP ADJ,	901-120-0104
RV3	POT, VRES, 47K, +/-25%, TOP ADJ,	901-120-0473
RV6	POT, VRES, 10K, +/-25%, TOP ADJ,	901-120-0103
T1	COIL, VAR, 455KHZ QUAD, IFT, SMD	353-012-0001
T2	XFMR, B4F, FREQ.MIXER, 617PT-1019, SMT	840-010-0002
T3	XFMR, B4F, FREQ.MIXER, 617PT-1019, SMT	840-010-0002
X1	XTAL, 44.645M -30 15PM, 32P, RX 3RD, HC-45	168-044-6450
XF1	FILTER, XTAL, KFN1045AA, 45.1M	310-030-0015