

ITEM#	QTY	REFERENCE DESIGNATOR	DESCRIPTION	MANUFACTURER	PART NUMBER	VALUE	CASE SIZE	VOLTAGE	TOLERANCE	POWER RATING (W)
1	1	N/A	14-layer PCB 042572		08_042572					
2	4	C320, C325, C736, C804	CAP CER X5R 0603	MURATA	GRM188R60J106ME47D	10μF	0603	6.3V	20	
3	52	C321, C322, C326, C327, C501, C502, C507, C508, C509, C510, C511, C512, C513, C514, C515, C516, C517, C518, C519, C520, C521, C522, C523, C524, C525, C526, C527, C528, C529, C530, C531, C532, C605, C606, C610, C613, C615, C617, C619, C621, C623, C625, C627, C629, C631, C633, C635, C637, C640, C641, C654, C803	CAP CER X5R 0201	MURATA	GRM033R60J104KE19D	0.1μF	0201	6.3V	10	
4	9	C332, C333, C336, C337, C205, C206, C214, C215, C220	CAP CER 0201 X7R	MURATA	GRM033R71E101KA01D	100pF	0201	25V	10	
5	35	C401, C402, C403, C405, C408, C414, C415, C416, C417, C418, C419, C421, C422, C423, C424, C425, C426, C427, C428, C429, C430, C431, C432, C433, C434, C435, C436, C437, C438, C439, C713, C715, C717, C719, C738	CAP CER X7R 0402	MURATA	GRM155R71C104KA88D	0.1μF	0402	16V	10	
6	1	C410	CAP CER COG 0402	MURATA	GRM1555C1H181JA01D250	180pF	0402	50V	5	
7	26	C411, C420, C603, C604, C609, C612, C614, C616, C618, C620, C622, C624, C626, C628, C630, C632, C634, C636, C643, C644, C645, C646, C647, C653, C702, C703	CAP MONO CER 0402	MURATA	GRM155R60J105KE19D	1μF	0402	6.3V	10	

8	1	C412	CAP CER COG 0402	MURATA	GRM1555C1H102JA01	1000pF	0402	50V	5	
9	1	C413	CAP MULTI CER X5R 0201	TAIYO YUDEN	AMK063BJ474MP-F	0.47μF	0201	4V	20	
10	7	C601, C602, C608, C611, C638, C639, C652	CAP CER CHIP	MURATA	GRM32ER60J107ME20L	100μF	1210	6.3V	20	
11	5	C642, C801, C802, C805, C806	CAP CER 0201 X7R	MURATA	GRM033R71A103KA01D	0.01μF	0201	10V	10	
12	4	C701, C705, C707, C709	CAP CER MONOLITHIC X5R	MURATA	GRM21BR61E106KA73L	10μF	0805	25V	10	
13	2	C704, C706	CAP CER 0402 X7R	MURATA	GRM155R71H272KA01D	2700PF	0402	50V	10	
14	2	C708, C710	CAP MONO CER 0402	PHYCOMP (YAGEO)	CC0402KRX7R9BB332	3300pF	0402	50V	10	
15	6	C714, C716, C718, C720, C735, C737	CAP CER X7R 0402	MURATA	GRM155R71E103KA01D	0.01μF	0402	25V	10	
16	12	C721, C722, C723, C724, C725, C726, C727, C728, C729, C730, C732, C739	CAP HIGH VAL MULTILAYER CER X5R 0805	TAIYO YUDEN	JMK212BJ476MG-T	47μF	0805	6.3V	20	
17	1	C731	CAP CER CHIP	MURATA	GRM21BR60J226ME39L	22μF	0805	6.3V	20	
18	1	C734	CAP MONOLITHIC CER X5R	MURATA	GRM188R60J475KE19	4.7μF	0603	6.3V	10	
19	1	CR701	DIODE RECOVERY RECTIFIER	MICRO COMMERCIAL COMPONENTS CORP	S2A-TP	S2A-TP	DO214AA	50V	N/A	
20	3	D401, D402, DS702	LED GREEN SURFACE MOUNT	PANASONIC	LNJ326W83RA	LNJ326W83RA (green)	0603	4V	N/A	
21	1	DS701	LED BLUE TSS TYPE SM	PANASONIC	LNJ926W8CRA	LNJ926W8CRA (blue)	0603	2.9V	N/A	
22	10	E601, E602, E603, E605, E607, E609, E610, E612, E613, E706	INDUCTOR CHIP FERRITE BEAD	MURATA	BLM15AX300SN1D	30Ω	0402		25	
23	4	E604, E606, E608, E611	INDUCTOR CHIP FERRITE BEAD	TAIYO YUDEN	BK1005LL470-T	47Ω AT 100MHZ	0402		25	
24	1	E701	INDUCTOR CHIP FERRITE BD	MURATA	BLM18KG121TN1D	120Ω	0603		25	
25	3	E702, E703, E704	INDUCTOR CHIP FERRITE BEAD	MURATA	BLM18KG471SN1D	470Ω	0603		25	
26	1	E705	INDUCTOR FERRITE BD	TAIYO YUDEN	FBMJ2125HS420-T	42Ω	0805		N/A	
27	2	F701, F702	SLIMLINE LEAD-FREE 1206	LITTELFUSE	0466002.NR	2A	1206	63V		
28	9	J200, J201, J202, J203, J204, J305, J306, J307, J308	CONN-PCB RF/COAXIAL SMA JACK STR 50 Ω/6GHz EDGE LAUNCH	AMPHENOL CONNEX	132255-11	132255-11				
29	1	J401	CONN-PCB COAX SMA ST	JOHNSON	142-0701-201	142-0701-201				
30	2	L340, L341	IND CHIP COIL, DCR 0.288Ω, 0.680A	MURATA	LQW15AN27NJ80D	27NH	0402		5	
31	2	L700, L701	INDUCTOR SHIELDED POWER	COILCRAFT	XFL4020-222MEB	2.2μH			20	
32	2	L702, L703	INDUCTOR SHIELDED POWER	COILCRAFT	XAL4030-682MEC	6.8μH			20	
33	1	P501	CONN-PCB HDR ST 10P	SAMTEC	TSW-105-08-G-D	TSW-105-08-G-D				
34	1	P502	CONN-PCB BERG HDR ST MALE 20P	SULLINS	PEC10DAAN	PEC10DAAN				
35	1	P503	CONN-PCB HEADER 16 PIN ST	SAMTEC	TSW-108-08-G-D	TSW-108-08-G-D-ST				
36	1	P504	CONN-PCB UNSHROUDED HDR	SAMTEC INC	FTSH-110-01-L-DV-K	FTSH-110-01-L-DV-K				

37	1	P801	CONN-PCB SGNL-END ARRAY MALE 400POS	SAMTEC	ASP-134488-01	ASP-134488-01				
38	1	Q701	TRAN DUAL N-CHA 20V (D-S) MOSFET WITH 2 PAD	VISHAY	SIA906EDJ-T1-GE3	SIA906EDJ-T1-GE3		20V		
39	41	R201, R202, R203, R204, R207, R208, R209, R210, R212, R228, R236, R303, R304, R309, R310, R317, R318, R312, R313, R426, R427, R519, R521, R522, R523, R524, R712, R801, R802, R803, R804, R805, R806, R810, R811, R812, R813, R814, R815, R816, R817	RES CHIP SMD 0201	PANASONIC	ERJ-1GE0R00C	0	0201		5	1/20
40	14	R402, R407, R408, R410, R413, R414, R428, R601, R614, R615, R715, R721, R725, R729	RES CHIP SMD JMPR	PANASONIC	ERJ-2GE0R00X	0	0402		5	1/16
41	3	R406, R423, R501	RES PRECISION THICK FILM CHIP R0201	PANASONIC	ERJ-1GEF1000C	100	0201		1	1/20
42	1	R415	RES STD THICK FILM CHIP	VISHAY	CRCW040210K2FKED	10.2K	0402		1	1/16
43	10	R416, R417, R418, R419, R704, R707, R714, R720, R724, R728	RES PRECISION THICK FILM CHIP R0402	PANASONIC	ERJ-2RKF1002X	10K	0402		1	1/16
44	3	R420, R421, R735	RES PRECISION THICK FILM CHIP R0402	PANASONIC	ERJ-2RKF2000X	200	0402		1	1/16
45	8	R502, R506, R507, R508, R509, R518, R808, R809	RES PRECISION THICK FILM CHIP	PANASONIC	ERJ-1GNF1002C	10K	0201		1	1/20
46	1	R504	RES PRECISION THICK FILM CHIP R0201	PANASONIC	ERJ-1GEF1001C	1K	0201		1	1/20
47	1	R505	RES THICK FILM CHIP	PANASONIC	ERJ-1GEF1432C	14.3K	0201		1	1/20
48	1	R525	RES PRECISION THICK FILM CHIP	PANASONIC	ERJ-2RKF5102X	51K	0402		1	1/10
49	2	R602, R709	RES PRECISION THICK FILM CHIP	PANASONIC	ERJ-2RKF5602X	56K	0402		1	1/10
50	1	R701	RES THICK FILM CHIP	MULTICOMP	MC 0.063W 0603 1% 2K	2K	603	50V	1	1/16
51	1	R702	RES PRECISION THICK FILM CHIP R0201	PANASONIC	ERJ-1GEF2000C	200	0201		1	1/20
52	2	R703, R706	RES THICK FILM CHIP	PANASONIC	ERJ-2GEJ104X	100K	0402		5	1/10
53	1	R705	RES PRECISION THICK FILM CHIP	PANASONIC	ERJ-2RKF4322X	43.2K	0402		1	1/10

54	2	R708, R711	RES PRECISION THICK FILM CHIP R0402	PANASONIC	ERJ-2RKF2002X	20K	0402		1	1/16
55	1	R710	RES STD THICK FILM CHIP	VISHAY	CRCW040214K0FKED	14K	0402		1	1/16
56	1	R713	RES THICK FILM CHIP	PANASONIC	ERJ-2RKF3242X	32.4K	0402		1	1/10
57	2	R716, R723	RES PRECISION THICK FILM CHIP R0402	PANASONIC	ERJ-2RKF6341X	6.34K	0402		1	1/16
58	1	R727	RES PRECISION THICK FILM CHIP	PANASONIC	ERJ-2RKF3162X	31.6K	0402		1	1/10
59	1	R731	RES PRECISION THICK FILM CHIP	PANASONIC	ERJ-2RKF1272X	12.7K	0402		1	1/10
60	3	R732, R733, R734	RES THICK FILM CHIP	PANASONIC	ERJ-3RSFR10V	0.1	0603		1	1/10
61	1	R737	RES THICK FILM CHIP	PANASONIC	ERJ-3RQJR47V	0.47	0603		5	1/10
62	1	R738	RES FILM SMD 0603	PANASONIC	ERJ-3GEY0R00V	0	0603		5	1/10
63	1	R807	RES GEN PURPOSE CHIP	YAGEO	RC0402JR-071KL	1K	0402		5	1/16
64	1	R823	RES PRECISION THICK FILM CHIP R0201	PANASONIC	ERJ-1GEF2002C	20K	R0201		1	1/20
65	2	T307, T308	XFMR MULTILAYER BALUN 3- 8GHZ	TDK	HHM1595A1	HHM1595A1	0805			
66	1	T401	XFMR RF 1:1	MACOM	MABA-007159-000000	MABA-007159-000000	ETC1			
67	1	U101	IC-ADI AD9375	ADI	AD9375	AD9375				
68	1	U401	IC-ADI JESD204B CLK GEN WITH 14 LVDS/HSTL OUTPUTS	ADI	AD9528BCPZ	AD9528BCPZ	QFN			
69	1	U402	IC TINYLOGIC UHS DUAL BUFFER	FAIRCHILD SEMICONDUCTOR	NC7WZ16P6X	NC7WZ16P6X	SC70			
70	1	U403	IC-CMOS ULP-A BUFFER WITH 3 STATE OUTPUT	FAIRCHILD SEMICONDUCTOR	NC7WV125K8X	NC7WV125K8X				
71	1	U404	IC SINGLE-CHA BIDIR LOGIC LEVEL TRANSLATOR	ADI	ADG3301BKSZ	ADG3301BKSZ	SC70-6	1.15-5.5V		
72	1	U405	IC-ADI LOW VOLTAGE 4-CH, BIDIR LOGIC LEVEL TRANSLATOR	ADI	ADG3304SRU-EP	ADG3304SRU-EP	14-TSSOP			
73	1	U601	IC-ADI 8-CH I2C 12BIT SAR ADC	ADI	AD7291BCPZ	AD7291BCPZ				
74	1	U701	IC-ADI PACKWOOD, 4-CH INTEGRATED PWR SOLUTION PRELIM	ADI	ADP5054ACPZ	ADP5054ACPZ				
75	1	U801	IC 2KBIT SER I2C BUS EEPROM	ST MICROELECTRONICS	M24C02-RDW6TP	M24C02-RDW6TP				
76	1	Y403	IC VCXO ULTRA-LOW PHASE NOISE OSCILLATOR	CRYSTEK CORPORATION	CVHD-950-122.880	122.88MEGHZ	LCC4			
77	3	C204, C213, C217	CAP CER 0201 X7R	MURATA	GJM0335C1ER50BB01D	0.5pF	0201		0.1pF	
78	1	C224	CAP CER 0201 X7R	MURATA	GJM0335C1ER60WB01D	0.6pF	0201		0.05pF	
79	2	C324, C329	CAP CER 0201 X7R	MURATA	GJM0335C1ER75BB01D	0.75pF	0201		0.1pF	
80	4	C311, C319, C232, C240	CAP CER 0201 X7R	MURATA	GJM0335C1E1R0BB01D	1pF	0201		0.1pF	
81	2	C226, C234	CAP CER 0201 X7R	MURATA	GJM0335C1E5R6BB01D	5.6pF	0201		0.1pF	
82	4	C230, C231, C238, C239	CAP CER 0201 X7R	MURATA	GRM0335C1E6R0CB01D	6pF	0201		0.1pF	
83	1	C218	CAP CER 0201 X7R	MURATA	GJM0335C0J220JB01D	22pF	0201		5	

84	2	L301, L302	CHIP INDUCTOR	MURATA	LQP03TN1N5B02D	1.5nH	0201		0.1nH	
85	1	L219	CHIP INDUCTOR	MURATA	LQP03TN3N0B02D	3.0nH	0201		0.1nH	
86	2	L207, L216	CHIP INDUCTOR	MURATA	LQP03TN3N9J02D	3.9nH	0201		5	
87	2	L222, L223	CHIP INDUCTOR	MURATA	LQP03TN5N6H02D	5.6nH	0201		5	
88	2	L229, L237	CHIP INDUCTOR	MURATA	LQP03TN6N2H02D	6.2nH	0201		5	
89	2	L200, L208	CHIP INDUCTOR	MURATA	LQP03TN10NJ02D	10nH	0201		5	
90	2	L225, L233	CHIP INDUCTOR	MURATA	LQP03TN27NJ02D	27nH	0201		5	
91	2	T200, T201	XMFR 2600MHz BALUN	ANAREN	BD0826J50200AHF	BD0826J50200AHF				
92	1	T202	XMFR 2600MHz BALUN	JOHANSON	2450BL15B200E	2450BL15B200E				
93	2	T203, T204	XMFR 2600MHz BALUN	ANAREN	B0322J5050AHF	B0322J5050AHF				
94	2	T305, T306	XMFR 2600MHz BALUN	MINI CIRCUITS	NCS1-292+	NCS1-292+				

Parts in **RED** are matching components that can be adjusted for different frequencies (see System Development User Guide for details)