



Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1,C2,C3,C4,C5,C6,C7,C8,C9,C10,C11,C12,C13,C14,C15,C16,C17,C18,C19,C20	20	CAP CER 2PF 50V COG 0402	2.0pF	±0.25F	c0402	TDK	C105C0G1H00C	Yes	Yes
C21,C26	2	CAP TANT 10UF 10V 10% 105C	10uF	±10%	c1206	Vishay	TR3A10K010C2000	Yes	Yes
C22,C24,C25,C32	4	CAP CER 1UF 10V X5R 0805	1uF	±20%	c0402	Murata	GRM155R81A105ME150	Yes	Yes
C31,C33,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44,C45,C46,C48,C53	20	CAP CER 0.1UF 10V X5R 0402	100nF	±10%	c0402	AVX	04022D104KAT2A	Yes	Yes
C37	1	CAP CER 10UF 10V X5R 0805	10uF	±20%	c0803	TDK	C16080R1A105M	Yes	Yes
C36,C43,C45	3	CAP CER 4.7UF 5.0V X5R 0805	4.7uF	±50%	C0402	TDK	C16035R0J475M	Yes	Yes
C47	1	CAP CER 1000PF 15V X7R 0805	100F	±10%	C0402	AVX	0402YC109KAT2A	Yes	Yes
C48,C50	2	CAP CER 100PF 50V X5R 0805	100F	±5%	C0402	Murata	GRM1555C1H100JZ010	Yes	Yes
D1	1	TVS DIODE 5.5VWM 50W 1.4	PACDN04		sol_143	ON Semi	PACDN04SR	No	Yes
F81,F82,F83	3	FERRITE CHIP 600 OHM 1300MA 0603	600		L0603	Murata	BLM18KG01SMD	Yes	Yes
F84,F85	2	ERRITE CHIP 600 OHM 2000MA 0602	600		L0402	Murata	BLM18AG01SMD	Yes	Yes
J1,J6,J9,J12,J14,J18,J21,J28	8	CONN HEADER 6POS 100 STR 15AU	Header 2x3 Thru-Hole		hmg_2x3_2p54	FCI	67966-208LF	Yes	Yes
J2,J3,J4,J6,J7,J8,J16,J17,J19,J20,J22,J23,J24,J25,J27,J28,J29,J30,J31,J32,J34,J35,J36,J40,J41,J42,J50,J51,J54	33	CONN SMA JACK 50 OHM EDGE MNT	SMA Jack, End Launch		sma_jack_end_launch	Johnson Components	142-0701-801	Yes	Yes
J53,J56,J57,J45,J47,J48,J49	7	CONN HEADER VERT SGL 3POS 0.010	Header 3 pin		ht_143_2p54	SM	981103-8404-AR	Yes	Yes
J63	1	Banana Jack, Thru-Hole, Red	Banana Jack, Thru-Hole, Red		sol_571-0500	Dalton	571-0500	Yes	Yes
J64	1	Banana Jack, Thru-Hole, Yellow	Banana Jack, Thru-Hole, Yellow		sol_571-0500	Dalton	571-0700	Yes	Yes
J66	1	Banana Jack, Thru-Hole, Black	Banana Jack, Thru-Hole, Black		sol_571-0500	Dalton	571-0100	Yes	Yes
J62,J63	2	CONN HEADER VERT SGL 2POS 0.010	Header 2 pin		ht_142_2p54	SM	981102-8404-AR	Yes	Yes
J62	1	USB-B Reference Connector 4 Position Surface Mount, Right Angle, 180Degree	Conn, USB-B, SMT		con_usb_b_1a	On Shore Technology	USB-B15MM45W6	Yes	Yes
LED1	1	LED GREEN CLEAR 0603 SMD	LED, Green		hd_0603	Lite-On	LTST-C190KGT	Yes	Yes
R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11	11	4 Round Pads, .060 with .040 Hole			hmg_2x2_2p54		No Part	Yes	Yes
R1,R5,R9,R13,R17,R21,R26,R30,R38,R45,R51,R55,R59,R63,R67,R71	16	RES SMD 27 OHM 5% 1210W 0402	27	5%	r0402	Panasonic	ERJ-2GEJ270X	Yes	Yes
R2,R6,R10,R14,R18,R22,R26,R30,R34,R37,R39,R44,R46,R56,R60,R64,R68,R72,R76,R78,R80,R81,R84,R85,R86,R87	27	RES SMD 0.004M JUMPER 110W 0402	0		r0402	Vishay	CRW0402000022ED	Yes	Yes
R3,R7,R11,R15,R19,R23,R28,R36,R42,R46,R50,R57,R61,R66,R69,R73,R77,R82,R83	19	S SMD 42.2 OHM 1% 1210W 0402	DN	1%	r0402	Panasonic	ERJ-2RFK42R2X	Yes	Yes
R4,R8,R12,R16,R20,R24,R28,R36,R40,R44,R48,R62,R66,R70,R74	16	RES SMD 42.2 OHM 1% 1210W 0402	DN 42.2	1%	r0402	Panasonic	ERJ-2RFK42R2X	Yes	Yes
R31,R32	2	RES SMD 0.004M JUMPER 110W 0603	0		r0603	Vishay	CRW0603000020EA	Yes	Yes
R40,R41	2	RES SMD 4.7K OHM 1% 1210W 0603	4.9	1%	r0603	Panasonic	ERJ-2EF49R9V	Yes	Yes
R47,R48	2	RES SMD 4.7K OHM 5% 1210W 0603	4.7K	5%	r0603	Panasonic	ERJ-2OEJ47ZV	Yes	Yes
R52	1	ES SMD 0.004M JUMPER 1210W 0402	0		r0402	Vishay	CRW0402000022ED	Yes	Yes
R76,R78	2	RES SMD 2.2 OHM 5% 1210W 0603	2.2	5%	r0603	Panasonic	ERJ-2OEJ2R2V	Yes	Yes
R88,R89,R90,R92,R93,R94	6	RES SMD 10K OHM 5% 1210W 0603	10K	5%	r0602	Panasonic	ERJ-2GEJ103X	Yes	Yes
R91	1	RES SMD 12K OHM 1% 1210W 0402	12K	1%	r0402	Panasonic	ERJ-2RFK1202X	Yes	Yes
R95	1	RES SMD 470 OHM 5% 1210W 0402	470	5%	r0402	Panasonic	ERJ-2OEJ471X	Yes	Yes
R96	1	RES SMD 2.2K OHM 5% 1210W 0402	2.2K	5%	r0402	Panasonic	ERJ-2OEJ222X	Yes	Yes
S01,S02,S03,S04,S05,S06,S07,S08,S09,S010,S011,S012,S013,S014,S015,S016,S017,S018,S019,S020,S021,S022,S023,S024,S025,S026,S027,S028,S029,S030,S031,S032,S033,S034,S035,S036,S037,S038	38	Solder Gap			r0201		No Part	Yes	Yes
TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8	8	Test Point, BMT			tp_70_135	Keystone	5015		Yes
TP9,TP10	2	Test Pad 30 x 60 mil			tp_30_60		No Part		Yes
TP11,TP12,TP13,TP14	4	Test Pad 150 x 150 mil			tp_150_150		No Part		Yes
U1	1	DN NESW800L	MODULE_48CFN_094			ON Semi	DN NESW800L	No	Yes
U2	1	F793201	pin 48 506			FTI	F793201-SEEL	Yes	Yes
U3	1	IC 3294	8pin, 8 pins, 8 pins			Maxim	MAX3294	Yes	Yes
U4	1	IC 2458B-3.3V	5 pins			ON Semi	NC2458BDS331G	No	Yes
U5	1	TA 8824	6VY-2P-SMD1			Analog Comp	TA8824-14-000M2K4V-T1	Yes	Yes