

Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
1	1	CC1	CAP, 0603 470pF 10% 50V NPO	AVX 06035A471KAT
2	1	CC2	CAP, 0603 0.01uF 10% 50V X7R	AVX 06035C103KAT2A
3	0	CF1,C31,C32,C37,CF	CAP, 0603 OPTION	OPTION
4	0	CIN1,COU11,CIN11,COU21, CIN21	CAP, OPTION	OPTION
5	1	CIN2	CAP, 150uF 100V ELEC	SUN ELEC. 100ME150AX
6	1	COU1	CAP, 330uF 20% 16V OSCON	SUN ELECT. 16SEP330M+T
7	0	COU2	CAP, 330uF 20% 16V OSCON OPTION	SUN ELECT. 16SEP330M+T OPTION
8	1	CSS	CAP, 0603 4700pF 10% 50V X7R	AVX 06035C472KAT2A
9	2	C1,C2	CAP, 1210 22uF 10% 25V X5R	MURATA GRM32ER61E226KE15L
10	0	C3,C21,C23,C25,C27,C28	CAP, 1210 OPTION	OPTION
11	1	C4	CAP, 0603 0.22uF 10% 25V X7R	AVX 06033C224KAT2A
12	3	C5,C6,C9	CAP, 1210 2.2uF 10% 100V X7R	MURATA GRM32ER72A225KA35L
13	0	C7,C8,C29,C30,C33	CAP, 1210 2.2uF 10% 100V X7R OPTION	MURATA GRM32ER72A225KA35L OPTION
14	1	C10	CAP, 0603 4.7uF 20% 6.3V X5R	TAIYO YUDEN JMK107BJ475MA-T
15	1	C11	CAP, 0603 33pF 10% 50V NPO	AVX 06035A330KAT2A
16	0	C12,C13	CAP, 1206 OPTION	OPTION
17	3	C14,C16,C26	CAP, 0603 0.1uF 10% 50V X7R	AVX 06035C104KAT2A
18	1	C15	CAP, 0805 1uF 20% 16V X5R	AVX 0805YD105MAT2A
19	1	C17	CAP, 0603 1nF 10% 50V COG	AVX 06035A102KAT2A
20	2	C18,C20	CAP, 1206 10uF 20% 10V X7R	AVX 1206ZC106MAT2A
21	2	C19,C24	CAP, 0603 1uF 20% 16V X7R	AVX 0603YC105MAT2A
22	1	C22	CAP, 0603 0.22uF 20% 16V X7R	TAIYO YUDEN EMK107BJ224MA
23	0	C34	CAP, 0603 0.1uF 10% 50V X7R OPTION	AVX 06035C104KAT2A OPTION
24	0	C35	CAP, 0603 47nF 10% 25V X7R OPTION	AVX 06033C473KAT2A OPTION
25	0	C36	CAP, 1210 47uF 10% 10V X7R OPTION	MURATA GRM32ER71A476KE15L OPTION
26	3	D2,D9,D12	DIODE, SWITCHING, 200mW, SOT23	DIODES INC. BAS16
27	0	D3,D10,D11	DIODE, OPTION SOT-23	OPTION
28	2	D4,D14	DIODE, SWITCHING, 350mW, SOT23	DIODES INC. BAS21
29	1	D5	DIODE, SCHOTTKY	DIODES INC. B1100
30	1	D6	DIODE, SCHOTTKY, SMA	DIODES INC. B240A-13-F
31	1	D7	DIODE, SCHOTTKY	DIODES INC. DFLS160
32	1	D8	DIODE, ZENER, 5.1V, SOT23	DIODES INC. BZX84C5V1-7-F
33	1	D13	DIODE, ZENER, 6.8V, SOT23	DIODES INC. BZX84C6V8
34	1	D15	DIODE, 1.0A HIGH VOLTAGE SCHOTTKY BARRIER RECTIFIER	DIODES INC. DFLS1100
35	1	JP1	HEADER, SINGLE ROW, 3PIN, 2mm	SAMTEC TMM103-02-L-S
36	0	JP2	HEADER, SINGLE ROW, 3PIN, 2mm OPTION	SAMTEC TMM103-02-L-S OPTION

37	4	J1,J2,J3,J4	JACK, BANANA	KEYSTONE 575-4
38	1	L1	IND, 19uH	PULSE PA2050.193NL
39	0	L2	IND, 22uH OPTION	TDK VLF10040T-220M2R5 OPTION
40	4	MH1,MH2,MH3,MH4	STANDOFF, SNAP ON	KEYSTONE_8834
41	1	Q1	XSTR, FDC2512 N-CHANNEL MOSFET	FAIRCHILD FDC2512
42	1	Q2	XSTR, MOSFET N-CHANNEL 100V	VISHAY SiR870DP
43	2	Q3,Q5	XSTR, MOSFET N-CHANNEL 20V	VISHAY SiR496DP-T1-GE3
44	1	Q4	XSTR, MOSFET N-CHANNEL 100V	VISHAY SiR882DP
45	1	Q6	XSTR, SMALL SIGNAL NPN SOT-23	DIODES INC. MMBTA42-7
46	0	Q8,Q13	XSTR, MOSFET N-CHANNEL 20V OPTION	VISHAY SiR496DP-T1-GE3 OPTION
47	1	Q9	XSTR, SMALL SIGNAL PNP SOT-23	DIODES INC. MMBTA92-7
48	0	Q14,Q15	XSTR, MOSFET N-CHANNEL 100V OPTION	VISHAY SiR882DP OPTION
49	1	RC	RES, 0603 14.7k OHMS 1% 1/10W	VISHAY CRCW060314K7FKEA
50	1	RFB1	RES, 0603 113k OHMS 1% 1/10W	VISHAY CRCW0603113KFKEA
51	1	RFB2	RES, 0603 8.06k OHMS 1% 1/10W	VISHAY CRCW06038K06FKEA
52	1	R1	RES, 0805 5.6 OHMS 1% 1/10W	VISHAY CRCW08055R60FKNEA
53	1	R2	RES, 3720 0.01 OHM 2% 1W	THIN FILM RECH. RL3720WT-R010-F
54	3	R3,R4,R44	RES, 0603 100 OHMS 5% 1/10W	VISHAY CRCW0603100RJNEA
55	1	R5	RES, 0805 4.7 OHMS 1% 1/10W	VISHAY CRCW08054R70FKNEA
56	8	R6,R11,R16,R21,R25,R27, R32,R50	RES, 0603 0 OHM JUMPER	VISHAY CRCW06030000Z0EA
57	3	R7,R15,R20	RES, 0603 100k OHMS 1% 1/10W	VISHAY CRCW0603100KFKEA
58	2	R8,R26	RES, 0603 10 OHMS 5% 1/10W	VISHAY CRCW060310R0JNEA
59	2	R9,R10	RES, 0603 1k OHMS 1% 1/10W	VISHAY CRCW06031K00FKEA
60	0	R12,R19,R22,R23,R33-R36,R51	RES, 0603 OPTION	OPTION
61	2	R13,R14	RES, 0603 154k OHMS 1% 1/10W	VISHAY CRCW0603154KFKEA
62	0	R17	RES, 0805 0 OHM JUMPER OPTION	VISHAY CRCW08050000Z0EA OPTION
63	1	R18	RES, 3720 0.012 OHM 2% 1W	THIN FILM TECH. RL3720WT-R012-F
64	1	R24	RES, 0603 10K OHMS 1% 1/10W	VISHAY CRCW060310K0FKEA
65	0	R28,R29	RES, 1206 OPTION	OPTION
66	1	R30	RES, 1206 64.9k OHMS 1% 1/10W	VISHAY CRCW120664K9FKEA
67	1	R31	RES, 0603 12.1k OHMS 1% 1/10W	VISHAY CRCW060312K1FKEA
68	1	R37	RES, 0603 14k OHMS 1% 1/10W	VISHAY CRCW060314K0FKEA
69	1	R38	RES, 1206 220K OHMS 5% 1/4W	VISHAY CRCW1206220KJNEA
70	1	R39	RES, 1206 100k OHMS 1% 1/10W	VISHAY CRCW1206100KFKEA
71	1	R40	RES, 0603 22.1k OHMS 1% 1/10W	YAGEO RC0603FR-0722KIL
72	1	R41	RES, 0603 1.58k OHMS 1% 1/10W	VISHAY CRCW06031K58FKEA
73	1	R42	RES, 0603 10 OHMS 1% 1/8W	VISHAY CRCW060310R0FKEA

74	1	R43	RES, 1206 0.30 OHMS 1% 1/8W	IRC LR1206LF-01-R300-F
75	1	R45	RES, 0603 24.9K OHMS 1% 1/10W	NIC NRC06F2492TRF
76	2	R46,R47	RES, 0603 33.2k OHMS 1% 1/10W	VISHAY CRCW060333K2FKEA
77	1	R48	RES, 0603 5.6K OHMS 1% 1/10W	VISHAY CRCW06035K49FKEA
78	0	R49,R55,R56	RES, 0603 0 OHM JUMPER OPTION	VISHAY CRCW06030000Z0EA OPTION
79	0	R52	RES, 0603 2M OHMS 1% 1/10W OPTION	VISHAY CRCW06032M00FKEA OPTION
80	0	R53	RES, 0603 102k OHMS 1% 1/10W OPTION	VISHAY CRCW0603102KFKEA OPTION
81	0	R54	RES, 0603 11.3K OHMS 1% 1/10W OPTION	VISHAY CRCW060311K3FKEA OPTION
82	4	TP1,TP2,TP3,TP7	TURRET	MILL-MAX 2308-2-00-80-00-00-07-0
83	7	TP4,TP5,TP8,TP10,TP11-TP13	TURRET	MILL-MAX 2501-2-00-80-00-00-07-0
84	1	T1	XFMR, LOW POWER FLYBACK TRANS	PULSE PA0648NL
85	1	U1	IC, VOLT REG.	LINEAR TECH. LTC3789EGN
86	1	U2	IC, HIGH VOLTAGE SYNCHRONOUS N-CHANNEL MOSFET DRIVER	LINEAR TECH. LTC4444EMS8E-5
87	1	U3	IC, CONSTANT FREQ. CURRENT MODE FLYBACK DC/DC CONVERTER	LINEAR TECH. LTC3803ES6-5
88	0	U4	IC, STEP-DOWN CONVERTER, MSE16(12), 4X3MM OPTION	LINEAR TECH. LTC3630EMSE OPTION
89	1	XJP1	SHUNT	SAMTEC 2SN-BK-G
90	0	XJP2	SHUNT OPTION	SAMTEC 2SN-BK-G OPTION