

Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
1	2	CIN1,CIN2	CAP, 180uF 20% 16V OSCON	SUN ELEC 16SVP180MX
2	4	CIN3,CIN4,CIN5,CIN6	CAP, 1210 22uF 20% 16V X5R	AVX 1210YD226MAT2A
3	4	COU1,COU2,COU3,COU4	CAP, 1210 100uF 20% 6.3V X5R	TDK C3225X5R0J107MT
4	6	COU5-COU10	CAP, 7343 330uF 20% 2.5V POSCAP	SANYO 2R5TPE330M9
5	0	COU11-COU14	CAP, 7343 OPTION	OPTION
6	4	C2,C17,C20,C21	CAP, 0603 0.1uF 10% 25V X7R	TDK C1608X7R1E104K
7	2	C11,C32	CAP, 0805 4.7uF 10% 16V X5R	TDK C2012X5R1C475K
8	2	C14,C15	CAP, 0603 1nF 10% 50V X7R	AVX 06035C102KAT
9	0	C38,C51,C52,C58	CAP, 0603 OPTION	OPTION
10	1	C41	CAP, 0603 3.3nF 10% 50V X7R	AVX 06035C332KAT2A
11	1	C42	CAP, 0603 47pF 10% 25V X7R	AVX 06033C470KAT2A
12	1	C50	CAP, 0603 1uF 20% 16V X7R	AVX 0603YC105MAT2A
13	2	C53,C54	CAP, 1210 100uF 20% 10V X5R	TAIYO YUDEN JMK325BJ107MM-T
14	0	C55	CAP, 0603 1uF 20% 16V X7R OPTION	AVX 0603YC105MAT2A OPTION
15	0	C56	CAP, 0603 0.022uF 10% 25V X7R OPTION	MURATA GRM188R71E223KA01D OPTION
16	0	C57	CAP, 0805 10uF 20% 10V X5R OPTION	TAIYO YUDEN LMK212BJ106MG-T OPTION
17	2	D1,D2	DIODE,CMDSH-3 SOD323	CENTRAL CMDSH-3-LTC
18	0	D3	DIODE,CMDSH-3 SOD323 OPTION	CENTRAL CMDSH-3-LTC OPTION
19	0	D4	DIODE, SCHOTTKY RECTIFIER 0.5A OPTION	DIODES INC. B0530W OPTION
20	11	E1-E7,E9,E13,E14,E20	TURRET	MILL-MAX 2501-2-00-80-00-00-07-0
21	1	JP1	HEADER,3PIN, 2mm	SAMTEC TMM-103-02-L-S
22	2	JP2,JP3	HEADER, 4PIN	SAMTEC TMM-104-02--L-S
23	0	JP4	HEADER,3 PINS 2mm OPTION	COMM 2802S-03G2 OPTION
24	1	JP5	HEADER,2PIN, 2mm	COMM CON 2802S-02G2
25	2	J1,J2	JACK, BANANA	KEYSTONE 575-4
26	2	J3,J4	STUD, TEST PIN	PEM KFH-032-10
27	1	J5	CONN,BNC,5 PINS	CONNEX 112404
28	2	L1,L2	IND,0.22uH	VITEC 59PR9873
29	0	L3	IND, 15uH 20% OPTION	TOKO A914BYW-150 OPTION
30	4	Q1,Q3,Q5,Q7	XSTR, N-CHANNEL MOSFET	RENESAS RJK0305DPB
31	4	Q2,Q4,Q6,Q8	XSTR, N-CHANNEL MOSFET	RENESAS RJK0330DPB
32	1	Q9	XSTR, MOSFET	VISHAY SUD50N03-09P
33	0	RNTC	THERMISTOR, OPTION	OPTION
34	2	RS1,RS2	RES, 2512 0.001 OHMS 1% 1W	VISHAY WSL25121L000FEA
35	0	R2,R26,R28,R42,R44,R45, R47,R48,R51,R53,R61,R62, R64,R69,R70	RES, 0603 OPTION	OPTION
36	6	R3,R9,R25,R77,R78,R79	RES, 0603 0 OHM JUMPER	PANASONIC ERJ3GEY0R00V

37	1	R7	RES, 0603 100K OHMS 1% 1/10W	INC NRC06F1003TRF
38	1	R18	RES, 0603 2.2 OHMS 5% 1/10W	VISHAY CRCW06032R20JNEA
39	4	R29,R30,R39,R40	RES, 0603 200 OHMS 5% 1/10W	VISHAY CRCW0603200RJNED
40	1	R31	RES, 0603 8.45K OHMS 1% 1/10W	VISHAY CRCW06038K45FKEA
41	1	R46	RES, 0603 100K OHMS 5% 1/10W	VISHAY CRCW0603100KJNEB
42	1	R63	RES, 0603 20K OHMS 1% 1/10W	VISHAY CRCW060320K0FKEA
43	1	R65	RES, 0603 30.1K OHMS 1% 1/10W	VISHAY CRCW060330K1FKEA
44	1	R66	RES, 0603 49.9k OHMS 1% 1/10W	VISHAY CRCW060349K9FKEA
45	2	R67,R68	RES, 0603 10 OHMS 1% 1/10W	VISHAY CRCW060310R0JNEA
46	0	R71	RES, 0603 20K OHMS 5% 1/10W OPTION	VISHAY CRCW060320K0JNEA OPTION
47	2	R72,R73	RES, 2512 0.005 OHM 1% 1W	PANASONIC ERJM1WSF5M0U
48	1	R74	RES, 0603 10K OHMS 5% 1/10W	VISHAY CRCW060310K0JNEA
49	0	R75	RES, 0603 10K OHMS 5% 1/10W OPTION	VISHAY CRCW060310K0JNEA OPTION
50	0	R76	RES, 0805 0 OHM JUMPER OPTION	VISHAY CRCW08050000Z0EA OPTION
51	1	U1	IC, DUAL PHASE SYNCHRONOUS STEP-DOWN BUCK CONVERTER	LINEAR TECH. LTC3856EUH
52	0	U2	IC, STEP-DOWN REGULATOR SOT-23-S6 OPTION	LINEAR TECH. LT1616ES6 OPTION
53	3	JP1,JP2,JP3	SHUNT, 2mm	SAMTEC 2SN-BK-G
54	0	JP4	SHUNT, 2mm OPTION	SAMTEC 2SN-BK-G OPTION
55	4		STANDOFF, SNAP ON	KEYSTONE_8831