

	A	B	C	D	E
1	Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
2	1	1	CC1	CAP, 0603 100pF 10% 50V C0G	AVX 06035A101KAT2A
3	2	1	CC2	CAP, 0603 10nF 10% 50V X7R	AVX 06035C103KAT2A
4	3	0	CF1	CAP, 0603 OPTION	OPTION
5	4	2	CIN1,CIN2	CAP, 10uF 20% 125V ELEC	SUNCON 125HVH10M
6	5	2	COUT1,COUT2	CAP, 56uF 20% 63V HYB POLYMER	UNITED CHEMI-CON HHXA630ARA560MJA0
7	6	2	C52,CSS	CAP, 0603 0.1uF 10% 50V X7R	AVX 06035C104KAT2A
8	7	2	C4,C22	CAP, 0603 0.22uF 20% 16V X7R	AVX 0603YC224MAT2A
9	8	0	C7,C8,C12,C13,C57	CAP, 0805 OPTION	OPTION
10	9	9	C9,C14,C25,C26,C27,C35,	CAP, 2220 1uF 10% 250V X7R	MURATA GRM55DR72E105KW01L
11			C36,C37,C48		
12	10	1	C10	CAP, 0603 4.7uF 10% 10V X5R	MURATA GRM188R61A475KE15D
13	11	1	C11	CAP, 0603 220pF 5% 100V C0G	MURATA GRM1885C2A221JA01D
14	12	6	C15,C40,C42,C43,C44,C45	CAP, 0805 0.1uF 10% 250V X7T	TDK CGA4J3X7T2E104K125AE
15	13	12	C16,C17,C19,C20,C21,C23,	CAP, 1210 3.3uF 10% 50V X7R	AVX 12105C335K4T2A
16			C28,C29,C30,C31,C32,C53		
17	14	1	C18	CAP, 1206 10uF 20% 6.3V X5R	AVX 12066D106MAT2A
18	15	1	C24	CAP, 0805 1uF 10% 50V X7R	AVX 08055C105KAT2A
19	16	0	C41,C46,C47,C54,C55	CAP, 0805 0.1uF 10% 250V X7T OPTION	TDK CGA4J3X7T2E104K125AE OPTION
20	17	1	C49	CAP, 0603 47nF 10% 50V X7R	MURATA GRM188R71H473KA61D
21	18	2	C50,C51	CAP, 1210 22uF 20% 16V X5R	AVX 1210YD226MAT2A
22	19	1	C56	CAP, 0603 1F 10% 50V X5R	TDK C1608X5R1H105K080AB
23	20	0	C58	CAP, 1210 OPTION	OPTION
24	21	2	D4,D7	DIODE, SCHOTTKY 1A 200V POWERDI123	DIODES INC. DFLS1200-7
25	22	1	D8	DIODE, ZENER 5.1V 350mW SOT23-3	DIODES INV. BZX84C5V1-7-F
26	23	0	D9	DIODE, OPTION	DIODES INC. BAS16-7-F OPTION
27	24	0	D10	DIODE, SCHOTTKY OPTION SMB	OPTION
28	25	0	D11	DIODE, SCHOTTKY OPTION SMA	OPTION
29	26	0	D12,D13	DIODE, SCHOTTKY OPTION POWERDI5	OPTION
30	27	4	E1,E2,E3,E7	TURRET	MILL-MAX 2308-2-00-80-00-00-07-0
31	28	7	E4,E5,E6,E8,E9,E10,E11	TURRET	MILL-MAX 2501-2-00-80-00-00-07-0
32	29	1	JP2	HEADER, 3PIN 2mm	SAMTEC TMM-103-02-L-S
33	30	4	J1,J2,J3,J4	JACK, BANANA	KEYSTONE 575-4
34	31	1	L1	IND, 15uH	WURTH 7443641500
35	32	0	L2	IND, OPTION	OPTION
36	33	1	L3	IND, 220uH	SUMIDA CDRH105RNP-221NC
37	34	4	MH1,MH2,MH3,MH4	STANDOFF, SNAP ON 9.525mm	KEYSTONE 8834
38	35	0	Q1,Q7	XSTR, OPTION	OPTION
39	36	2	Q2,Q6	XSTR, N-CHANNEL POWER MOSFET	INFINEON BSC110N15NS5

	A	B	C	D	E
40	37	1	Q3	XSTR, N-CHANNEL POWER MOSFET	INFINEON BSC028N06NS
41	38	1	Q4	XSTR, N-CHANNEL POWER MOSFET	INFINEON BSC093N15NS5
42	39	2	Q5,Q9	XSTR, N-CHANNEL POWER MOSFET	INFINEON BSC066N06NS
43	40	0	Q8,Q11,Q12,Q13,Q14,Q15,	XSTR, N-CHANNEL POWER MOSFET OPTION	OPTION
44			Q16,Q17,Q18,Q19,Q20,Q21,		
45			Q22,Q23,Q24,Q25,Q26		
46	41	0	Q10	XSTR, OPTION TO-252	OPTION
47	42	1	RC	RES, 0603 10K OHMS 5% 0.1W	VISHAY CRCW060310K0JNEA
48	43	1	RFB1	RES, 0805 475K OHMS 1% 0.125W	VISHAY CRCW0805475KFKEA
49	44	2	RFB2,R45	RES, 0603 12.1K OHMS 1% 0.1W	VISHAY CRCW060312K1FKEA
50	45	10	R1,R11,R15,R17,R23,R27,	RES, 0 OHM JUMPER	VISHAY CRCW06030000Z0EA
51			R35,R36,R41,R48		
52	46	1	R2	RES, 2512 0.004 OHMS 1% 1W	PANASONIC ERJ-M1WSF4M0U
53	47	4	R3,R4,R9,R10	RES, 0603 100 OHMS 1% 0.1W	VISHAY CRCW0603100RFKEA
54	48	1	R5	RE, 0805 5.1 OHMS 5% 0.125W	VISHAY CRCW08055R10JNEA
55	49	0	R6,R12,R16,R34,R40	RES, 0603 OPTION	OPTION
56	50	1	R7	RES, 0603 100K OHM 1% 0.1W	VISHAY CRCW0603100KFKEA
57	51	2	R8,R39	RES, 0603 10 OHMS 5% 0.1W	VISHAY CRCW060310R0JNEA
58	52	2	R13,R14	RES, 0603 1k OHMS 1% 0.1W	VISHAY CRCW06031K00FKEA
59	53	2	R18,R19	RES, 2512 0.008 OHMS 1% 2W	BOURNS CRE2512-FZ-R008E-2
60	54	1	R20	RES, 2512 0 OHM JUMPER	TEPRO RN5326
61	55	1	R21	RES, 0603 56.2k OHMS 1% 0.1W	VISHAY CRCW060356K2FKEA
62	56	1	R22	RES, 0805 124K OHMS 1% 0.125W	VISHAY CRCW0805124KFKEA
63	57	1	R25	RES, 0603 1.21K OHMS 1% 0.1W	VISHAY CRCW06031K21FKEA
64	58	0	R28,R29,R32,R42	RES, 0805 OPTION	OPTION
65	59	1	R30	RES, 0805 41.2K OHMS 1% 0.125W	VISHAY CRCW080541K2FKEA
66	60	1	R31	RES, 0805 3K OHMS 1% 0.125W	VISHAY CRCW08053K00FKEA
67	61	0	R37,R38	RES, 2512 0.01 OHMS 1% 1W OPTION	VISHAY WSL2512R0100FEA OPTION
68	62	1	R43	RES, 0805 0 OHM JUMPER	VISHAY CRCW08050000Z0EA
69	63	1	R44	RES, 0805 150K OHMS 1% 0.125W	VISHAY CRCW0805150KFKEA
70	64	1	R46	RES, 0603 113K OHMS 1% 0.1W	VISHAY CRCW0603113KFKEA
71	65	1	R47	RES, 0603 8.06K OHMS 1% 0.1W	VISHAY CRCW06038K06FKEA
72	66	1	R49	RES, 1206 0 OHM JUMPER	VISHAY CRCW12060000Z0EA
73	67	0	R50	RES, 1206 OPT	OPTION
74	68	1	SW1	SWITCH, SUB=MINIATURE SLIDE 300mA 6V	C&K JS202011CQN
75	69	1	U1	IC, BUCK-BOOST CONVERTER	LINEAR TECH. LTC3779EFE38
76	70	1	U2	IC, SYNCHRONOUS STEP-DOWN REGULATOR	LINEAR TECH. LTC3639EMSE
77	71	1	XJP2	SHUNT 2mm	SAMTEC 2SN-BK-G