

	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,C64	CAP, 0603 OPTION	OPTION
5	4	2	CIN1,CIN2	CAP, 10uF 20% 125V ALUN ELEC	SUN ELEC. IND. CORP. 5HVH10M
6	5	2	COU1,COU2	CAP, 56uF 20% 63V HYB POLYMER	UNITED CHEMI-CON HHXA630ARA560MJA0G
7	6	3	C59,C62,CSS	CAP, 0603 0.1uF 10% 50V X7R	AVX 06035C104KAT2A
8	7	2	C4,C22	CAP, 0603 0.22uF 10% 25V X7R	AVX 06033C224KAT2A
9	8	0	C7,C8,C12,C13,C63	CAP, 0805 OPTION	OPTION
10	9	9	C9,C14,C25,C26,C27,C35,	CAP, 2220 1uF 10% 250V X7R	MURATA GRM55DR72E105KW01L
11			C36,C37,C58		
12	10	1	C10	CAP, 0603 4.7uF 10% 6.3V X5R	AVX 06036D475KAT2A
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% 100V X7R	AVX 12101C335K4T2A
16			C28,C29,C30,C31,C32,C53		
17	14	1	C18	CAP, 1206 10uF 10% 25V X5R	MURATA GRM31CR61E106KA12L
18	15	1	C24	CAP, 0603 1uF 10% 50V X5R	TDK C1608X5R1H105K080AB
19	16	0	C41,C46,C47,C54,C55	CAP, 0805 0.1uF 10% 250V X7T OPTION	TDK CGA4J3X7T2E104K125AE OPTION
20	17	1	C56	CAP, 0805 10uF 10% 25V X5R	MURATA GRM21BR61E106KA73L
21	18	1	C57	CAP 10uF 20% 200V ELEC	NICHICON UUB2D100MNL1GS
22	19	2	C60,C61	CAP. 1210 22uF10% 25V X5R	AVX 12103D226KAT2A
23	20	2	D4,D7	DIODE, SCHOTTKY 1A 200V POWERDI123	DIODES INC. DFLS1200-7
24	21	1	D8	DIODE, ZENER 5.1V 350mW SOT23-3	DIODES INV. BZX84C5V1-7-F
25	22	0	D9	DIODE, OPTION	DIODES INC. BAS16-7-F OPTION
26	23	0	D10	DIODE, SCHOTTKY OPTION SMB	OPTION
27	24	0	D11	DIODE, SCHOTTKY OPTION SMA	OPTION
28	25	0	D12,D13	DIODE, SCHOTTKY OPTION POWERDI5	OPTION
29	26	4	E1,E2,E3,E7	TURRET	MILL-MAX 2308-2-00-80-00-00-07-0
30	27	10	E4,E5,E6,E8,E9,E10,E11,	TURRET	MILL-MAX 2501-2-00-80-00-00-07-0
31			E12,E13,E14		
32	28	1	JP2	HEADER, 3PIN, DBL ROW 2mm	SAMTEC TMM 103-02-L-D
33	29	4	J1,J2,J3,J4	JACK, BANANA	KEYSTONE 575-4
34	30	1	L1	IND, 15uH	WURTH ELECTRONIK 7443641500
35	31	0	L2	IND, OPTION	OPTION
36	32	1	L3	IND, 220uH 30%	SUMIDA CDRH105RNP-221NC
37	33	4	MH1,MH2,MH3,MH4	STANDOFF, SNAP ON	KEYSTONE 8834
38	34	2	Q2,Q6	XSTR, N-CHANNEL POWER MOSFET	INFINEON BSC110N15NS5

	A	B	C	D	E
39	35	1	Q3	XSTR, N-CHANNEL POWER MOSFET	INFINEON BSC028N06NS
40	36	1	Q4	XSTR, N-CHANNEL POWER MOSFET	INFINEON BSC093N15NS5
41	37	2	Q5,Q9	XSTR, N-CHANNEL POWER MOSFET	INFINEON BSC066N06NS
42	38	0	Q7,Q8	XSTR, N-CHANNEL POWER MOSFET OPTION	OPTION
43	39	0	Q11,Q12,Q13,Q14,Q15,Q16,	XSTR, AUTOMOTIVE MOSFET OPTION	OPTION
44			Q17,Q18,Q19,Q20,Q21,Q22,		
45			Q23,Q24,Q25,Q26		
46	40	1	RC	RES, 0603 10K OHMS 5% 0.1W	VISHAY CRCW060310K0JNEA
47	41	1	RFB1	RES, 0805 47.5K OHMS 1% 0.125W	VISHAY CRCW080547K5FKEA
48	42	2	RFB2,R25	RES, 0603 1.21K OHMS 1% 0.1W	VISHAY CRCW06031K21FKEA
49	43	9	R1,R11,R16,R17,R23,R33,	RES, 0 OHM JUMPER	VISHAY CRCW06030000Z0EA
50			R35,R36,R52		
51	44	1	R2	RES, 2512 0.004 OHMS 1% 1W	PANASONIC ERJ-M1WSF4M0U
52	45	4	R3,R4,R9,R10	RES, 0603 100 OHMS 1% 0.1W	VISHAY CRCW0603100RFKEA
53	46	1	R5	RE, 0805 5.1 OHMS 5% 0.125W	VISHAY CRCW08055R10JNEA
54	47	0	R6,R12,R15,R34,R40,R41,	RES, 0603 OPTION	OPTION
55			R48,R51		
56	48	1	R7	RES, 0603 100K OHM 1% 0.1W	VISHAY CRCW0603100KFKEA
57	49	3	R8,R27,R53	RES, 0603 10 OHMS 5% 0.1W	VISHAY CRCW060310R0JNEA
58	50	2	R13,R14	RES, 0603 1K OHMS 1% 0.1W	VISHAY CRCW06031K00FKEA
59	51	2	R18,R19	RES, 2512 0.008 OHMS 1% 2W	BOURNS CRE2512-FZ-R008E-2
60	52	1	R20	RES, 2512 0 OHM JUMPER	TEPRO RN5326
61	53	1	R21	RES, 0603 56.2K OHMS 1% 0.1W	VISHAY CRCW060356K2FKEA
62	54	1	R22	RES, 0805 124K OHMS 1% 0.125W	VISHAY CRCW0805124KFKEA
63	55	0	R28,R29,R54	RES, 0805 OPTION	OPTION
64	56	1	R31	RES, 0805 3K OHMS 1% 0.125W	VISHAY CRCW08053K00FKEA
65	57	1	R32	RES.,AEC-Q200,2M OHMS,1%,1/10W,0603	VISHAY CRCW06032M00FKEA
66	58	0	R37,R38	RES, 2512 0.01 OHMS 1% 1W OPTION	VISHAY WSL2512R0100FEA OPTION
67	59	1	R39	RES, 0805 41.2K OHMS 1% 0.125W	VISHAY CRCW080541K2FKEA
68	60	1	R49	RES, 0603 715K OHMS 1% 0.1W	VISHAY CRCW0603715KFKEA
69	61	1	R50	RES, 0603 51.1K OHMS 1% 0.1W	VISHAY CRCW060351K1FKEA
70	62	1	SW1	SWITCH, SUB-MINIATURE SLIDE 300mA 6V	C&K JS202011CQN
71	63	1	U1	IC, BUCK-BOOST CONVERTER	LINEAR TECH. LTC3777
72	64	2	XJP2,XJP3	SHUNT 2mm	WURTH ELEKTRONIK 60800213421