

	A	B	C	D	E
1	Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
2	1	24	CIN1,CIN2,CIN3,CIN4,CIN5,	CAP, 1210 22uF 10% 25V X7R	MURATA GRM32ER71E226KE15L
3			CIN6,CIN7,CIN8,CIN9,		
4			CIN10,CIN11,CIN12,CIN13,		
5			CIN14,CIN15,CIN16,CIN21,		
6			CIN22,CIN23,CIN24,CIN25,		
7			CIN26,CIN27,CIN28		
8	2	19	COUT1,COUT2,COUT5,COUT6,	CAP, 1210 100uF 20% 6.3V X5R	TDK C3225X5R0J107M
9			COUT10,COUT11,COUT12,		
10			COUT16,COUT19,COUT20,		
11			COUT24,COUT25,COUT28,		
12			COUT30,COUT32,COUT34,C34,		
13			C35,COUT41		
14	3	22	COUT3,COUT4,COUT7,COUT8,	CAP, 7343 470uF 20% 2.5V TANT. POLYMER	PANASONIC ETPF470M5H
15			COUT9,COUT13,COUT14,		
16			COUT15,COUT17,COUT18,		
17			COUT22,COUT23,COUT27,		
18			COUT29,COUT31,COUT33,		
19			COUT35,COUT36,COUT37,		
20			COUT38,COUT39,COUT40		
21	4	6	C7,C19,COUT26,C41,C42,C48	CAP, 0603 1uF 20% 25V X5R	AVX 06033D105MAT2A
22	5	1	C1	CAP, 0603 2.2uF 20% 6.3V X5R	TAIYO YUDEN JMK105BJ225MV-T
23	6	4	C2,C52,C53,C54	CAP, 270uF 20% 16V OSCON	PANASONIC 16SVPC270M
24	7	1	C3	CAP, 0805 2.2uF 10% 16V X7R	MURATA GRM21BR71C225KA12L
25	8	6	C4,C6,C18,C20,C46,C47	CAP, 0603 4.7uF 10% 10V X5R	AVX 0603ZD475KAT2A
26	9	0	C5,C51	CAP, 0603 OPTION	OPTION
27	10	6	C8,C15,C25,C27,C37,C38	CAP, 0603 0.1uF 10% 25V X5R	AVX 06033C104KAT2A
28	11	6	C9,C16,C21,C32,C33,C36	CAP, 0603 220nF 10% 25V X7R	TDK C1608X7R1E224K
29	12	1	C12	CAP, 0603 330pF 5% 50V C0G	MURATA GRM1885C1H331JD01D
30	13	1	C13	CAP, 0603 6.8nF 10% 50V X7R	MURATA GRM188R71H682KA01B
31	14	3	C14,C17,C28	CAP, 0603 10nF 10% 25V X7R	AVX 06033C103KAT2A
32	15	2	C23,C45	CAP, 0603 22pF 5% 50V C0G	MURATA GRM1885C1H220JA01B
33	16	2	C30,C44	CAP, 1210 100uF 20% 10V X5R	MURATA GRM32ER61A107ME20L
34	17	1	C31	CAP, 1210 10uF 10% 16V X7R	MURATA GRM32DR71C106KA01
35	18	2	C39,C50	CAP, 0603 100nF 20% 16V X7R	AVX 0603YC104MAT2A
36	19	1	C40	CAP, 0603 150pF 5% 50V NPO	AVX 06035A151JAT2A
37	20	1	C43	CAP, 0603 220pF 10% 50V X7R	AVX 06035C221KAT2A
38	21	1	C49	CAP, 0603 47nF 10% 25V X7R	AVX 06033C473KAT2A

	A	B	C	D	E
39	22	6	D1,D2,D3,D4,D8,D12	DIODE, SCHOTTKY 30V, 100mA	CENTRAL SEMI CMDSH-3-TR
40	23	2	D6,D9	LED, 0603 GREEN	WURTH ELEKTRONIK 150060GS75000
41	24	1	D7	LED, 0603 RED	WURTH ELEKTRONIK 150060SS75000
42	25	0	D11	DIODE, SCHOTTKY 30V, 100mA OPTION	CENTRAL SEMI CMDSH-3-TR OPTION
43	26	1	D13	DIODE, ULTRA LOW SCHOTTKY RECTIFIER	NXP SEMI. PMEG2005AEL,315
44	27	16	E1,E2,E3,E4,E7,E8,E21,E22,E23,	TURRET	MILL MAX 2501-2-00-80-00-00-07-0
45			E24,E25,E26,E28,E34,E36,E37		
46	28	5	JP1,JP2,JP3,JP4,JP5	HEADER, SINGLE ROW 3PIN	WURTH ELEKTRONIK 60800213421
47	29	6	J1,J2,J3,J4,J5,J6	STUD, TEST PIN	PEM KFH-032-10
48	30	14		NUT, BRASS 10-32	ANY #10-32
49	31	7		LUG RING, #10	KEYSTONE 8205
50	32	7		WASHER, #10 TIN PLATED BRASS	ANY #10 EXT BZ TN
51	33	2	J11,J12	CONN, BNC, 5 PINS	AMPHENOL CONNEX 112404
52	34	1	J13	CONN, SOCKET 14PIN DUAL ROW R/A	SULLINS INC. NPPN072FJFN-RC
53	35	1	J14	HEADER, 12PIN 2mm STR DL	FCI 98414-G06-12ULF
54	36	1	J15	HEADER, 14PIN DUAL ROW R/A	MOLEX 87760-1416
55	37	1	J16	HEADER, 4PIN 2mm STR DL	HIROSE DF3A-4P-2DSA
56	38	6	L1,L2,L3,L4,L6,L7	IND, 0.25uH	WURTH ELEKTRONIK 744301025
57	39	1	L5	IND, 68uH	SUMIDA CDRH105RNP-680N
58	40	4	MH1,MH2,MH3,MH4	STANDOFF, SNAP ON	KEYSTONE 8834
59	41	12	Q1,Q2,Q3,Q4,Q5,Q6,Q7,Q8,	XSTR, DUAL CHANNEL OptiMOS MOSFET	INFINEON BSG0811ND
60			Q11,Q12,Q13,Q14		
61	42	2	Q9,Q10	XSTR, PNP GENERAL PURPOSE	DIODES INC. MMST3906-7-F
62	43	2	Q20,Q29	XSTR, P-CHANNEL DMOS FET	DIODES INC. DMP3130L-7
63	44	2	Q21,Q26	XSTR, N-CHANNEL DMOS FET	FAIRCHILD 2N7002A
64	45	2	Q23,Q24	XSTR, MOSFET, N-CHANNEL 30V	VISHAY SUD50N03-10CP-E3
65	46	1	R1	RES, 2512 0.001 OHMS 1% 1W	VISHAY WSL25121L000FEA
66	47	1	R2	RES, 0603 1 OHMS 1% 1/10W	VISHAY CRCW06031R00FNEA
67	48	23	R3,R4,R15,R19,R30,R51,	RES, 0603 0 OHMS JUMPER	VISHAY CRCW06030000Z0EA
68			R52,R53,R54,R60,R83,R84,R91,		
69			R113,R114,R117,R118,R127,		
70			R137,R138,R140,R148,R149		
71	49	1	R5	RES, 0603 10 OHMS 1% 0.1W	VISHAY CRCW060310R0FKEA
72	50	7	R6,R8,R10,R56,R98,R108,	RES, 0603 10K OHMS 5% 0.1W	VISHAY CRCW060310K0JNEA
73			R123		
74	51	1	R9	RES, 0603 5k OHMS 5% 0.1W	VISHAY CRCW06035K00JNED
75	52	3	R11,R12,R13	RES, 0603 1K OHMS 5% 0.1W	VISHAY CRCW06031K00JNEA
76	53	6	R14,R20,R135,R143,R144,R157	RES, 0603 715 OHMS 1% 0.1W	VISHAY CRCW0603715RFKEA

	A	B	C	D	E
77	54	1	R16	RES, 0603 10 OHMS 1% 1/10W	VISHAY CRCW060310R0FKEA
78	55	0	R17,R22,R23,R24,R25,R26,	RES, 0603 OPTION	OPTION
79			R27,R28,R31,R32,R35,R36,R37,		
80			R38,R87,R122,R134,R136,R141,		
81			R142,R145,R146,R151,R156		
82	56	2	R29,R34	RES, 0603 10K OHMS 5% .01W	VISHAY CRCW060310K0JNEA
83	57	2	R49,R50	RES, 0603 2 OHMS 1% 0.1W	VISHAY CRCW06032R0FKEA
84	58	2	R55,R58	RES, 0603 100K OHMS 5% 0.1W	VISHAY CRCW0603100KJNEA
85	59	5	R59,R95,R96,R107,R158	RES, 0603 20K OHMS 5% 0.1W	VISHAY CRCW060320K0JNEA
86	60	1	R70	RES, 0603 10 OHMS 5% 0.1W	VISHAY CRCW060310R0JNEA
87	61	2	R79,R130	RES, 0603 200 OHMS 5% 0.1W	VISHAY CRCW0603200RJNEA
88	62	1	R81	RES, 0603 127 OHMS 1% 0.1W	VISHAY CRCW0603127RFKEA
89	63	0	R85,R159	RES, 2512 OPTION	OPTION
90	64	1	R89	RES, 0603 2 OHMS 5% 0.1W	VISHAY CRCW06032R00JNEA
91	65	1	R92	RES, 0603 3.3 OHMS 1% 0.1W	VISHAY CRCW06033R30FNEA
92	66	1	R93	RES, 0603 154K OHMS 5% 0.1W	VISHAY CRCW0603154KJNEA
93	67	1	R94	RES, 0603 1M OHMS 5% 0.1W	VISHAY CRCW06031M00JNEA
94	68	1	R97	RES, 0603 681K OHMS 1% 0.1W	VISHAY CRCW0603681KFKEA
95	69	1	R99	RES, 0603 301 OHMS 1% 0.1W	VISHAY CRCW0603301RFKEA
96	70	1	R100	RES, 0603 82.5 OHMS 5% 0.1W	VISHAY CRCW060382R5FKEA
97	71	2	R101,R102	RES, 2512 0.01 OHMS 1% 1W	VISHAY WSL2512R0100FEA
98	72	1	R103	RES, VARIABLE 5K	BOURNS 3386P-1-502-LF
99	73	1	R104	RES, 0603 1.21K OHMS 1% 0.1W	VISHAY CRCW06031K21FKEA
100	74	1	R105	RES, 0603 118K OHM 1% 0.1W	VISHAY CRCW0603118KFKEA
101	75	1	R106	RES, 0603 80.6k OHMS 1% 0.1W	VISHAY CRCW060380K6FKEA
102	76	2	R128,R150	RES, 0603 4.99K OHMS 1% 0.1W	VISHAY CRCW06034K99FKEA
103	77	0	R139	RES, 1206 OPTION	OPTION
104	78	1	R147	RES, 0603 15.8K OHMS 1% 0.1W	VISHAY CRCW060315K8FKEA
105	79	1	SW2	SWITCH, SUBMINATURE SLIDE	C&K JS202011CQN
106	80	1	U1	IC, DUAL OUTPUT STEP-DOWN CONTROLLER	LINEAR TECH. LTC3884EUK
107	81	2	U2,U7	IC, STEP-DOWN SLAVE CONTROLLER	LINEAR TECH. LTC3874EUFD
108	82	1	U4	IC, SYNCHRONOUS STEP-DOWN CONVERTER	LINEAR TECH. LTC3630EMSE
109	83	1	U5	IC, TIMER BLOX: VOLTAGE CONTROLLED (PWM)	LINEAR TECH. LTC6992IS6-1
110	84	1	U6	IC, OP AMP	LINEAR TECH. LT1803IS5
111	85	1	U8	IC, SERIAL EEPROM	MICROCHIP 24LC024-I/ST
112	86	5	XJP1,XJP2,XJP3,XJP4,XJP5	SHUNT	WURTH ELEKTRONIK 60800213421