

	A	B	C	D	E
1	Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
2					
3	REQUIRED CIRCUIT COMPONENTS:				
4	1	5	C1,C14,C15,C16,C19	CAP, 1210 2.2uF 10% 100V X7R	AVX 12101C225KAT2A
5	2	1	C2	CAP, 100uF 20% 100V ELEC	SUN ELECT. 100CE100KXT
6	3	2	C3,C4	CAP, 33uF 20% 80V ELEC	PANASONIC EEE-FK1K330P
7	4	1	C5	CAP, 0603 47pF 10% 50V C0G	AVX 06035A470KAT2A
8	5	2	C6,C9	CAP, 0603 10nF 10% 100V X7R	AVX 06031C103KAT2A
9	6	2	C7,C39	CAP, 0603 100nF 10% 50V X7R	AVX 06035C104KAT2A
10	7	4	C8,C13,C28,C29	CAP, 0603 0.22uF 10% 25V X5R	AVX 06033D224KAT2A
11	8	2	C10,C31	CAP, 0805 4.7uF 10% 16V X7R	AVX 0805YC475KAT2A
12	9	1	C11	CAP, 0603 100pF 10% 100V NPO	AVX 06031A101KAT2A
13	10	1	C12	CAP, 0603 10pF 10% 100V C0G	AVX 06031A100KAT2A
14	11	3	C18,C23,C105	CAP, 0603 1uF 10% 25V X7R	MURATA GRM188R71E105KA12D
15	12	2	C21,C24	CAP, 100uF 20% 25V ALUM	PANASONIC EEHZA1E101XP
16	13	2	C22,C25	CAP, 1206 10uF 10% 25V X7R	MURATA GRM31CR71E106KA12L
17	14	2	D1,D2	DIODE, SCHOTTKY, RECTIFIER	DIODES INC. DFLS1100-7
18	15	2	L1,L2	IND, 10uH	WURTH 7443641000
19	16	4	Q1,Q2,Q3,Q4	XSTR, MOSFET N-CH 80V 100A TDSO-8	INFINEON BSC117N08NS5
20	17	4	Q5,Q6,Q7,Q8	XSTR, MOSFET N-CH 80V 100A TDSO-8	INFINEON BSC040N08NS5
21	18	2	Q33,Q34	XSTR, SIPMOS, P-CHANNEL	VISHAY SUD50P08-25L
22	19	2	RS1,RS2	RES, 2010 0.001 OHM 1% 1W	VISHAY WSL20101L000FEA18
23	20	1	R1	RES, 0603 649k OHMS 1% 1/10W	VISHAY CRCW0603649KFKEA
24	21	1	R2	RES, 0603 243k OHMS 1% 1/10W	VISHAY CRCW0603243KFKEA
25	22	1	R3	RES, 0603 200k OHMS 1% 0.1W	VISHAY CRCW0603200KFKEA
26	23	11	R4,R12,R14,R21,R24,R30, R33,R34,R35,R39,R40	RES, 0603 0 OHM JUMPER	VISHAY CRCW06030000Z0EA
27					
28	24	1	R5	RES, 0603 69.8k OHMS 1% 0.1W	VISHAY CRCW060369K8FKEA
29	25	1	R6	RES, 0603 12.7k OHMS 1% 1/10W	VISHAY CRCW060312K7FKEA
30	26	6	R7,R8,R9,R17,R27,R36	RES, 0603 10k OHMS 1% 1/10W	VISHAY CRCW060310K0FKEA
31	27	1	R10	RES, 0603 3.01k OHMS 1% 1/10W	VISHAY CRCW06033K01FKEA
32	28	1	R11	RES, 0603 4.53k OHMS 1% 1/10W	VISHAY CRCW06034K53FKEA
33	29	1	R13	RES, 0603 20k OHMS 1% 1/10W	VISHAY CRCW060320K0FKEA
34	30	1	R15	RES, 0603 110k OHMS 1% 1/10W	VISHAY CRCW0603110KFKEA
35	31	1	R16	RES, 0805 499k OHMS 1% 1/8W	VISHAY CRCW0805499KFKEA
36	32	1	R18	RES, 0603 100k OHMS 5% 1/10W	VISHAY CRCW0603100KJNEA
37	33	1	R22	RES, 0603 90.9k OHMS 1% 1/10W	VISHAY CRCW060390K9FKEA
38	34	1	R23	RES, 0603 10 OHMS 1% 1/10W	VISHAY CRCW060310R0FKEA

	A	B	C	D	E
39	35	1	R29	RES. 1206 2.2 OHMS 1% 1/4W	VISHAY CRCW12062R20FKEA
40	36	2	R31,R32	RES, 0603 4.99K OHMS 1% 0.1W	VISHAY CRCW06034K99FKEA
41	37	1	R44	RES, 0603 34k OHMS 1% 0.1W	VISHAY CRCW060334K0FKEA
42	38	2	R38,R41	RES, 0603 300 OHMS 1% 0.1W	VISHAY CRCW0603300RFKEA
43	39	2	R83,R84	RES, 2512 0 OHM JUMPER	VISHAY CRCW25120000Z0EG
44	40	1	U1	IC, HIGH POWER BiDIRECTIONAL SUPPLY	LINEAR TECH. LTC3871HLXE#PBF
45					
46	ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS:				
47	1	0	C20,C27	CAP, ALUM OPTION	OPTION
48	2	0	C30,C32,C33,C92,C93,C101,	CAP, 0603 OPTION	OPTION
49			C102		
50	3	0	C88,C89,C90,C91,C108,	CAP, 0805 OPTION	OPTION
51			C109,C110,C111		
52	4	0	L1,L2 - ALTERNATE	IND, 10uH	COILCRAFT SER2918H-103
53	5	0	Q9,Q10,Q11,Q12,Q13,Q14,	XSTR, MOSFET OPTION	INFINEON IPD60N10S4-12 OPTION
54			Q15,Q16		
55	6	0	R19,R20	RES, 0603 OPTION	OPTION
56	7	0	R25,R26	RES, 1206 OPTION	OPTION
57	8	1	S1	SWITCH, SUBMINATURE, SLIDE, SPDT	C&K-COMPONENTS JS202011CQN
58	9	4	XJP1,XJP4,XJP6,XJP7	SHUNT, 2mm	WURTH ELEKTRONIK 60800213421
59					
60					
61					
62	HARDWARE				
63	1	13	E1,E2,E3,E4,E5,E8,E9,E10,	TURRET	MIL-MAX 2501-2-00-80-00-00-07-0
64			E11,E12,E13,E14,E15		
65	2	2	JP1,JP2	HEADER, 4PIN, DBL ROW 2mm	WURTH ELEKTRONIK 62000821121
66	3	1	JP3	HEADER, 4PIN, 2mm	WURTH ELEKTRONIK 62000411121
67	4	1	JP4	HEADER, 2mm, 3PIN	WURTH ELEKTRONIK 62000311121
68	5	5	J1,J2,J3,J4,J5	STUD, TESTPIN	PEM KFH-032-10
69	6	5		LUG RING, #10	KEYSTONE 8205
70	7	10		NUT, BRASS 10-32	ANY #10-32
71	8	5		WASHER, #10 TIN PLATED BRASS	ANY #10 EXT BZ TN
72	9	4	MH1,MH2,MH3,MH4	STANDOFF, SNAP ON	KEYSTONE 8834