

	A	B	C	D	E
1	REQUIRED CIRCUIT COMPONENTS:				
2	ITEM	QTY	Ref - Des	DESCRIPTION	Manufacturer's Part Number
3	1	1	C1	CAP.,0.1uF,X7R,10V,10%,0603	WURTH ELEKTRONIK, 885012206020
4	2	1	C2	CAP.,1uF,X5R,50V,10%,0603,AEC-Q200, NO SUBS. ALLOWED	MURATA, GRT188R61H105KE13D
5	3	1	C4	CAP.,4.7uF,X5R,50V,10%,0805,AEC-Q200	TDK, CGA4J3X5R1H475K125AB
6	4	1	C6	CAP.,0.1uF,X5R,50V,10%,0603	AVX, 06035D104KAT2A
7	5	1	C8	CAP.,1000pF,C0G,50V,5%,0603	MURATA, GRM1885C1H102JA01D
8	6	1	C9	CAP.,39pF,C0G,50V,5%,0603	AVX, 06035A390JAT2A
9	7	1	C10	CAP.,4700pF,C0G,50V,5%,0603	MURATA, GRM1885C1H472JA01D
10	8	2	C24, C25	CAP.,4.7uF,X5R,16V,10%,0805	AVX, 0805YC475KAT2A
11	9	4	CIN1, CIN3, CIN10, CIN12	CAP.,10uF,X7R,63V,10%,1210	SAMSUNG, CL32B106KMVNNWE
12	10	2	CIN2, CIN7	CAP.,56uF,ALUM. ELECT.,50V,20%,10x10.5mm RADIAL,HVH	SUN ELECTRONIC INDUSTRIES CORP, 50HVH56M
13	11	2	CIN5, CIN6	CAP.,1uF,X7R,50V,10%,0805	AVX, 08055C105KAT2A
14	12	2	COUT2, COUT8	CAP.,470uF,TANT. POSCAP,6.3V,20%,7343,18mOHMS, TPE, NO SUBS. ALLOWED	PANASONIC, 6TPE470MI
15	13	4	COUT3-COUT6	CAP.,100uF,X5R,6.3V,20%,1206	MURATA, GRM31CR60J107ME39L
16	14	1	D4	DIODE,SCHOTTKY,40V,120mA,SOD323-2,AEC-Q101	INFINEON, BAS140W
17	15	1	L1	IND.,0.68uH,WE-CHSA SMD HIGH CURRENT,20%,26A,1.7mOHMS,12.2mm X 12.2mm	WURTH ELEKTRONIK, 7843320068
18	16	2	Q1, Q2	XSTR.,MOSFET, N-CH,40V,98A,TDSON-8	INFINEON, BSC032N04LS
19	17	2	Q3, Q4	XSTR.,MOSFET, N-CH,40V,100A,TDSON-8 FL	INFINEON, BSC014N04LSI
20	18	6	R1, R7, R10, R12, R17, R27	RES.,AEC-Q200,0 OHM,1/10W,0603	VISHAY, CRCW06030000Z0EA
21	19	1	R3	RES.,AEC-Q200,2.2 OHMS,5%,1/10W,0603	VISHAY, CRCW06032R20JNEA
22	20	1	R5	RES.,AEC-Q200,1k OHM,1%,1/10W,0603	VISHAY, CRCW06031K00FKEA
23	21	1	R8	RES.,AEC-Q200,1M OHM,1%,1/10W,0603	VISHAY, CRCW06031M00FKEA
24	22	1	R9	RES.,AEC-Q200,76.8k OHMS,1%,1/10W,0603	VISHAY, CRCW060376K8FKEA
25	23	1	R11	RES.,AEC-Q200,261k OHMS,1%,1/10W,0603	VISHAY, CRCW0603261KFKEA
26	24	1	R13	RES., 6.19k, 1/10W, 1%, 0603	YAGEO, RC0603FR-076K19L
27	25	2	R14, R24	RES.,AEC-Q200,100k OHMS,1%,1/10W,0603	VISHAY, CRCW0603100KFKEA
28	26	1	R15	RES.,AEC-Q200,31.6k OHMS,1%,1/10W,0603	VISHAY, CRCW060331K6FKEA
29	27	1	R16	RES.,44.2 OHMS,1%,1/10W,0603,AEC-Q200	VISHAY, CRCW060344R2FKEA
30	28	1	RS1	RES.,0.002 OHM,2%,1.5W,1206,LONG-SIDE TERM.,METAL,SENSE,AEC-Q200,low EMF	SUSUMU, KRL3216E-M-R002-G-T5
31	29	1	U1	Low IQ Synchronous Step-Down Converter,16PIN SSOP	ANALOG DEVICES, INC., LTC7803EMSE#PBF
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	A	B	C	D	E
33	ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS:				
34	ITEM	QTY	Ref - Des	DESCRIPTION	Manufacturer's Part Number
35	1	0	C3, C5, C7, C11, C12, C14	CAP., OPTION, 0603	
36	2	0	CIN4, CIN8, CIN9, CIN11	CAP., OPTION, 1210	
37	3	0	CN1, CN2	CAP., OPTION, 0402	
38	4	0	COU1, COU7	CAP., OPTION, 7343	
39	5	0	D1	DIODE, OPTION, SOD-123	
40	6	0	L1-L4	IND.,0.68uH,POWER,20%,38A,1.65mOHMS,8.8mmX8.3mm	COILCRAFT, XAL8080-681MEB
41	7	0	R2, R6, R18, R21-R23, R25, R26	RES., OPTION, 0603	
42					
43	HARDWARE				
44	ITEM	QTY	Ref - Des	DESCRIPTION	Manufacturer's Part Number
45	1	8	E1-E4, E6, E8-E10	TEST POINT,TURRET,0.094",MTG. HOLE	MILL-MAX, 2501-2-00-80-00-00-07-0
46	2	2	J1, J2	CONN.,BANANA JACK,FEMALE,THT,NON-INSULATED, SWAGE	KEYSTONE, 575-4
47	3	2	J3, J4	STUD, FASTENER, #10-32	PENNEENGINEERING, KFH-032-10ET
48	4	2	J3, J4	RING, LUG, CRIMP,#10,NON-INSULATED,SOLDERLESS TERMINALS	KEYSTONE, 8205
49	5	4	J3, J4	NUT,HEX,#10-32,BRASS	PENCOM, NU1132
50	6	2	JP1, JP3	CONN.,HDR,MALE,2x3,2mm,VERT, STR, THT	WURTH ELEKTRONIK, 62000621121
51	7	1	JP2	CONN.,HDR,MALE,1x3,2mm,STR, THT,NO SUBS. ALLOWED	Wurth Elektronik, 62000311121
52	8	2	J3, J4	WASHER,#10,LOCK,EXT,TIN FINISH	PENCOM, WA4526
53	9	4	MH1-MH4	STANDOFF,NYLON,SNAP-ON,0.625"	KEYSTONE, 8834
54	10	3	XJP1-XJP3	CONN.,SHUNT,FEMALE,2 POS,2mm	Wurth Elektronik, 60800213421