

	A	B	C	D	E
1	REQUIRED CIRCUIT COMPONENTS:				
2	Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
3	1	1	C1	CAP, 33uF 20% 80V POLYMER HYBRID ALUM ELEC	PANASONIC EEHZA1K330P
4	2	8	C2,C3,C47,C49,C56,C57,C58,	CAP, 1210 2.2uF 10% 100V X7R	MURATA GRM32DR72A225KA12K
5			C59		
6	3	4	C4,C5,C15,C37	CAP, 0603 0.1uF 10% 100V X7R	MURATA GRM188R72A104KA35D
7	4	1	C6	CAP, 0805 4.7uF 10% 16V X7R	MURATA GRM21BR71C475KA73K
8	5	1	C7	CAP, 0805 4.7uF 10% 25V X7R	MURATA GRM21BR71E475KA73L
9	6	2	C8,C40	CAP, 0603 0.22uF 10% 25V X7R	MURATA GRM188R71E224KA88D
10	7	1	C9	CAP, 0603 0.47uF 10% 25V X7R	MURATA GRM188R71E474KA12D
11	8	19	C10,C18,C19,C20,C21,C22,C23,	CAP, 1210 10uF 10% 50V X7R	MURATA GRM32ER71H106KA12L
12			C24,C25,C29,C30,C31,C32,C33,		
13			C34,C35,C36,C41,C43		
14	9	2	C17,C28	CAP, 0805 2.2uF 10% 50V X7R	TDK C2012X7R1H225K125AC
15	10	3	C26,C27,C50	CAP, 0603 1uF 20% 25V X5R	AVX 06033D105MAT2A
16	11	1	C39	CAP.,6800pF,X7R,50V,10%,0603	AVX 06035C682KAT2A
17	12	2	C42,C44	CAP, 150uF 20% 16V	PANASONIC 16SVPC150M
18	13	1	C45	CAP.,56pF,C0G,50V,5%,0603	MURATA GRM1885C1H560JA01D
19	14	2	C52,C53	CAP, 1210 22uF 10% 25V X5R	AVX 12103D226KAT2A
20	15	1	C54	CAP, 0603 47nF 10% 25V X7R	AVX 06033C473KAT2A
21	16	1	C55	CAP, 0603 220pF 10% 50V X7R	AVX 06035C221KAT2A
22	17	3	D1,D2,D3	DIODE, SCHOTTKY	CENTRAL SEMI. CMDSH-4E.TR LEAD-FREE
23	18	1	L1	IND, 2uH 20%	COILCRAFT SER2011-202MLD
24	19	1	L2	IND, 68uH	COILCRAFT LPS6225-683MRB
25	20	1	Q1	XSTR, N-CHANNEL MOSFET	INFINEON BSZ070N08LS5ATMA1
26	21	2	Q3,Q5	XSTR, N-CHANNEL MOSFET	INFINEON BSC032N04LS
27	22	1	Q7	XSTR, N-CHANNEL MOSFET	INFINEON BSC014N04LSI
28	23	2	Q9,Q10	XSTR, MOSFET N-CHANNEL 40V TO-252	VISHAY SILICONIX SUD50N04-8M8P-4GE3
29	24	4	RS1,RS2,RS3,RS4	RES.,2010 0 OHM JUMPER	VISHAY WSL201000000ZEA9
30	25	2	R1,R7	RES, 0603 1k OHMS 1% 0.1W	VISHAY CRCW06031K00FKEA
31	26	1	R2	RES, 0603 2.2 OHMS 5% 0.1W	VISHAY CRCW06032R20JNEA
32	27	1	R4	RES, 0603 20K OHMS 1% 0.1W	VISHAY CRCW060320K0FKEA
33	28	7	R5,R10,R12,R19,R20,R24,	RES, 0603 0 OHM JUMPER	VISHAY CRCW06030000Z0EA
34			R32		
35	29	1	R6	RES, 0805 1M OHMS 1% 0.125W	VISHAY CRCW08051M00FKEA
36	30	1	R8	RES, 0603 39.2K OHMS 1% 1/10W	VISHAY CRCW060339K2FKEA
37	31	3	R9,R13,R28	RES, 0603 10k OHMS 1% 0.1W	VISHAY CRCW060310K0FKEA
38	32	1	R15	RES, 0603 100k OHMS 1% 0.1W	VISHAY CRCW0603100K0FKEA
39	33	1	R16	RES, 0603 68k OHMS 1% 0.1W	VISHAY CRCW060368K0FKEA
40	34	1	R17	RES, 0805 6.81k OHMS 1% 0.1W	VISHAY CRCW08056K81FKEA
41	35	1	R18	RES, 0603 29.4k OHMS 1% 1/10W	VISHAY CRCW060329K4FKEA

	A	B	C	D	E
42	36	1	R23	RES, 0805 60.4k OHM 1% 0.125W	VISHAY CRCW080560K4FKEA
43	37	1	R25	RES, 0603 4.32k OHMS 1% 0.1W	VISHAY CRCW06034K32FKEA
44	38	1	R26	RES, 0603 182K OHM 1% 0.1W	VISHAY CRCW0603182KFKEA
45	39	1	R27	RES, 0603 20K OHMS 5% 0.1W	VISHAY CRCW060320K0JNEA
46	40	1	R29	RES, 0603 80.6k OHMS 1% 0.1W	VISHAY CRCW060380K6FKEA
47	41	1	R30	RES. 2010 0.1 OHMS 1% 1W	VISHAY WSL2010R1000FEA18
48	42	1	U1	IC,	LINEAR TECH. LTC7821EUH
49	43	1	U2	IC, SYNCHRONOUS STEP-DOWN CONVERTER	LINEAR TECH. LTC3630EMSE
50					
51					
52	ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS:				
53	Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
54	1	0	C16,C38,C46,C48,C51	CAP, 0603 OPTION	OPTION
55	2	0	Q2,Q4,Q6,Q8	XSTR, N-CHANNEL MOSFET OPTION	OPTION
56	3	0	RN1	THERMISTOR, OPTION	OPTION
57	4	0	R3,R11,R14,R21,R22,R31	RES, 0603 OPTION	OPTION
58					
59					
60	HARDWARE				
61	Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
62	1	14	E1,E2,E3,E4,E5,E6,E7,E8,	TURRET	MILL-MAX 2501-2-00-80-00-00-07-0
63			E9,E10,E11,E12,E13,E14		
64	2	1	JP1	HEADER, 4PIN, 2mm	WURTH ELEKTRONIK 6200041121
65	3	1	JP2	HEADER, 3PIN 2mm	WURTH ELEKTRONIK 6200031121
66	4	4	J1,J2,J3,J4	JACK, BANANA	KEystone 575-4
67	5	2	J5,J6	CON, BNC, 5 PINS	CONNEX 112404
68	6	1	SW1	SWITCH, SUBMINATURE SLIDE	C&K JS202011CQN
69	7	2	XJP1,XJP2	SHUNT 2mm	WURTH ELEKTRONIK 60800213421
70	8	4	X2,X3,X5,X6	STANDOFF, SNAP ON	KEystone 8834