

	A	B	C	D	E
1	Item	Qty	Ref -Des	Desc	Manufacturer's Part Number
2					
3	<b>REQUIRED CIRCUIT COMPONENTS:</b>				
4	1	4	CIN1,CIN2,CIN3,CIN4	CAP, 1210 10uF 20% 35V X5R	AVX 1210DD106MAT2A
5	2	10	COUT1,COUT2,COUT5,COUT6,	CAP, 1210 100uF 20% 6.3V X5R	AVX 12106D107MAT2A
6			COUT19,COUT20,COUT24,		
7			COUT25,C34,C35		
8	3	8	COUT3,COUT4,COUT7,COUT8,	CAP, 7343 330uF 20% 6.3V POSCAP	PANASONIC 6TPF330M9L
9			COUT17,COUT18,COUT22,		
10			COUT23		
11	4	5	C7,COUT21,COUT26,C41,C42	CAP, 0603 1uF 20% 25V X5R	AVX 06033D105MAT2A
12	5	1	C1	CAP, 0603 2.2uF 20% 6.3V X5R	AVX 06036D225MAT2A
13	6	2	C2,C32	CAP, 270uF 20% 16V OSCON	PANASONIC 16SVPC270M
14	7	1	C3	CAP, 0805 1uF 10% 16V X7R	AVX 0805YC105KAT2A
15	8	1	C4	CAP, 0603 4.7uF 10% 10V X5R	AVX 0603ZD475KAT2A
16	0	1	C6	CAP, 0603 4.7uF 20% 25V X5R	TDK C1608X5R1E475M080AC
17	10	2	C8,C15	CAP, 0603 0.1uF 10% 25V X7R	AVX 06033C104KAT2A
18	11	2	C9,C16	CAP, 0603 220nF 10% 25V X7R	TDK C1608X7R1E224K
19	12	3	C10,C12,C40	CAP, 0603 150pF 5% 50V NPO	AVX 06035A151JAT2A
20	13	2	C11,C13	CAP, 0603 1500pF 5% 50V C0G	MURATA GRM1885C1H152JA01D
21	14	4	C14,C17,C27,C28	CAP, 0603 10nF 10% 25V X7R	AVX 06033C103KAT2A
22	15	2	C26,C39	CAP, 0603 100nF 20% 16V X7R	AVX 0603YC104MAT2A
23	16	2	C30,C31	CAP, 1210 10uF 10% 16V X7R	MURATA GRM32DR71C106KA01
24	17	2	D1,D2	DIODE, SCHOTTKY 30V, 100mA	CENTRAL SEMI CMDSH-3-TR
25	18	4	D5,D6,D8,D9	LED, 0603 GREEN	WURTH ELEKTRONIK 150060GS75000
26	19	1	D7	LED, 0603 RED	WURTH ELEKTRONIK 150060SS75000
27	20	1	D12	DIODE, ULTRA LOW SCHOTTKY RECTIFIER	NXP SEMI. PMEG2005AEL,315
28	21	2	L1,L2	IND, 0.25uH	WURTH ELEKTRONIK 744301025
29					
30	22	2	Q1,Q5	XSTR, POWER MOSFET	INFINEON BSC050NE2LS
31	23	2	Q3,Q8	XSTR, POWER MOSFET	INFINEON BSC010NE2LSI
32	24	2	Q7,Q10	XSTR, PNP GENERAL PURPOSE	DIODES INC. MMST3906-7-F
33	25	2	Q19,Q20	XSTR, N-CHANNEL DMOS FET	DIODES INC. DMP3130L-7
34	26	4	Q21,Q22,Q25,Q26	XSTR, N-CHANNEL DMOS FET	DIODES INC 2N7002A-7
35	27	2	Q23,Q24	XSTR, MOSFET, N-CHANNEL 30V	VISHAY SUD50N04-8M8P-4GE3
36	28	1	R1	RES, 2512 0.005 OHMS 1% 1W	SUSUMU KRL3264E-C-R005-F-T5
37	29	1	R2	RES, 0603 1 OHMS 1% 1/10W	VISHAY CRCW06031R00FNEA
38	30	10	R3,R4,R15,R19,R63,R65,	RES, 0603 0 OHMS JUMPER	VISHAY CRCW06030000Z0EA

	A	B	C	D	E
39			R66,R91,R113,R114		
40	31	4	R5,R16,R18,R21	RES, 0603 10 OHMS 1% 1/10W	VISHAY CRCW060310R0FKEA
41	32	12	R6,R7,R8,R10,R29,R30,R33,	RES, 0603 10K OHMS 5% 1/10W	VISHAY CRCW060310K0JNEA
42			R34,R77,R87,R98,R105		
43	33	6	R9,R11,R12,R13,R72,R73	RES, 0603 4.99K OHMS 1% 1/10W	VISHAY CRCW06034K99FKEA
44	34	2	R14,R20	RES, 0603 715 OHMS 1% 1/10W	VISHAY CRCW0603715RFKEA
45	35	2	R69,R70	RES, 0603 10 OHMS 5% 1/10W	VISHAY CRCW060310R0JNEA
46	36	1	R78	RES, 0603 15.8K OHMS 1% 1/10W	VISHAY CRCW060315K8FKEA
47	37	4	R79,R80,R125,R130	RES, 0603 200 OHMS 5% 1/10W	VISHAY CRCW0603200RJNEA
48	38	1	R81	RES, 0603 127 OHMS 1% 1/10W	VISHAY CRCW0603127RFKEA
49	39	1	R89	RES, 0603 2 OHMS 5% 1/10W	VISHAY CRCW06032R00JNEA
50	40	1	R90	RES, 2010 0 OHM JUMPER	VISHAY CRCW20100000Z0EA
51	41	1	R92	RES, 0603 3.3 OHMS 1% 1/10W	VISHAY CRCW06033R30FKEA
52	42	1	R93	RES, 0603 154K OHMS 1% 1/10W	VISHAY CRCW0603154KFKEA
53	43	1	R94	RES, 0603 1M OHMS 5% 1/10W	VISHAY CRCW06031M00JNEA
54	44	2	R95,R96	RES, 0603 20K OHMS 5% 1/10W	VISHAY CRCW060320K0JNEA
55	45	1	R97	RES, 0603 681K OHMS 1% 1/10W	VISHAY CRCW0603681KFKEA
56	46	1	R99	RES, 0603 182 OHMS 1% 1/10W	VISHAY CRCW0603182RFKEA
57	47	1	R100	RES, 0603 82.5 OHMS 1% 1/10W	VISHAY CRCW060382R5FKEA
58	48	1	R101	RES, 2512 0.01 OHMS 1% 1W	VISHAY WSL2512R0100FEA
59	49	1	R103	RES, VARIABLE 5K	BOURNS 3386P-1-502-LF
60	50	1	R104	RES, 0603 649 OHMS 1% 1/10W	VISHAY CRCW0603649RFKEA
61	51	1	R107	RES, 0603 34.8K OHM 1% 1/10W	VISHAY CRCW060334K8FKEA
62	52	2	SW1,SW2	SWITCH, SUBMINATURE SLIDE	C&K JS202011CQN
63	53	1	U1	IC, LTC3884	LINEAR TECH. LTC3884EUK#10E1-1PBF-ES
64	54	1	U3	IC, 24LC05-I/ST	MICROCHIP 24LC025-I/ST
65	55	1	U4	IC, REGULATOR	LINEAR TECH. LT1761ES5-SD
66	56	1	U5	IC, LTC6992	LINEAR TECH. LTC6992IS6-1
67	57	1	U6	IC, SINGLE OP AMP	LINEAR TECH. LT1803IS5
68					
69	<b>ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS:</b>				
70	1	0	C5	CAP, 0603 OPTION	OPTION
71	2	0	D10,D11	DIODE, SCHOTTKY 30V, 100mA OPTION	CENTRAL SEMI CMDSH-3-TR OPTION
72	3	0	Q2,Q4,Q6,Q9	XSTR, POWER MOSFET OPTION	OPTION
73	4	0	R17,R22,R23,R24,R25,R26,	RES, 0603 OPTION	OPTION
74			R27,R28,R31,R32,R35,R36,		
75			R37,R38,R39,R40,R42,R43,		
76			R45,R46,R61,R62,R64,R67,		

	A	B	C	D	E
77			R68,R74,R75,R106,R126,		
78			R139,R142,R146,R147		
79	5	0	R41,R44,R47,R48,R85,R86,	RES, 2010 OPTION	OPTION
80			R88		
81	6	0	R102	RES, 2512 OPTION	OPTION
82					
83	<b>HARDWARE</b>				
84	1	26	E1,E2,E3,E4,E5,E6,E7,E8,	TURRET	MILL MAX 2501-2-00-80-00-00-07-0
85			E9,E10,E11,E12,E13,E14,		
86			E20,E21,E22,E23,E24,E25,		
87			E26,E27,E28,E29,E30,E31		
88	2	3	JP1,JP4,JP5	HEADER, SINGLE ROW 3PIN	WURTH ELEKTRONIK 62000311121
89	3	6	J1,J2,J3,J4,J5,J6	STUD, TEST PIN	PEM KFH-032-10
90	4	1	J7	HEADER, 12PIN 2mm STR DL	FCI 98414-G06-12ULF
91	5	1	J8	CONN, SOCKET 14PIN DUAL ROW R/A	SULLINSINC. NPPN072FJFN-RC
92	6	1	J9	HEADER, 14PIN DUAL ROW R/A	MOLEX 87760-1416
93	7	3	J10,J11,J12	CONN, BNC, 5 PINS	CONNEX 112404
94	8	1	J16	HEADER, 4PIN 2mm STR DL	HIROSE DF3A-4P-2DSA
95	9	7		LUG RING, #10	KEYSTONE 8205
96	10	14		NUT, BRASS 10-32	ANY #10-32
97	11	7		WASHER, #10 TIN PLATED BRASS	ANY #10 EXT BZ TN
98	12	4	MH1,MH2,MH3,MH4	STANDOFF, SNAP ON	KEYSTONE 8834
99	13	3	XJP1,XJP4,XJP5	SHUNT	WURTH ELEKTRONIK 60800213421