

Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
REQUIRED CIRCUIT COMPONENTS:				
1	1	C4	CAP, 1206 100pF 10% 630V COG	TDK C3216COG2J101K
2	3	C8,C11,C13	CAP, 0603 0.1uF 10% 50V X7R	TDK C1608X7R1H104K
3	1	C10	CAP, 6032 47uF 20% 20V TANT	AVX TAJC476M020R
4	0	C12	CAP, 0603 470pF 10% 25V NPO OPTION	AVX 06033A471KAT2A OPTION
5	1	C17	CAP, 0603 47pF 10% 25V NPO	AVX 06033A470KAT2A
6	1	C20	CAP, 0603 2.2nF 5% 50V X7R	AVX 06035C222JAT
7	1	C21	CAP, 1206 1uF 20% 25V X7R	AVX 12063C105MAT2A
8	1	C25	CAP, 1812 2.2uF 10% 100V X7R	TDK C4532X7R2A225K
9	1	D2	DIODE, BAS21-7	DIODES INC. BAS21-7-F
10	1	D5	DIODE, SCHOTTKY	DIODES INC. BAT54-7
11	1	D8	DIODE, BAT760	DIODES INC. BAT760
12	1	Q12	XSTR, PNP	ZETEX FMMT718TA
13	1	Q13	XSTR, NPN	ZETEX FMMT618TA
14	1	R4	RES, 0603 330 OHMS 5% 1/10W	AAC CR16-331JM
15	1	R5	RES, 0603 412K OHMS 1% 1/8W	AAC CR16-4123FM
16	1	R8	RES, 1206 47K OHMS 5% 1/4W	AAC CR18-473JM
17	1	R13	RES, 0603 10K OHMS 5% 1/10W	AAC CR16-103JM
18	1	R14	RES, 0603 15K OHMS 1% 1/10W	AAC CR16-1502FM
19	1	R15	RES, 0603 3.01K OHMS 1% 1/10W	AAC CR16-3011FM
20	1	R16	RES, 0603 169K OHMS 1% 1/10W	AAC CR16-1693FM
21	1	R19	RES, 0603 100K OHMS 5% 1/10W	AAC CR16-104JM
22	1	R20	RES, 0603 12K OHMS 5% 1/10W	AAC CR16-123JM
23	1	R26	RES, 0603 15 OHMS 5% 1/10W	AAC CR16-150JM
24	1	T2	XFMR, 1.4mH MIN, 50KHz	PULSE PA0184
25	1	U1	IC, LT3825EFE	LINEAR TECH LT3825EFE
26	2	C1,C2	CAP, 1210 22uF 20% 16V X5R	TDK C3225X5R1C226M
27	1	C3	CAP, 1206 470pF 5% 100V COG	AVX 12061A471JAT
28	1	C19	CAP, 0603 330pF 5% 50V X7R	AVX 06035C331JAT
29	1	C23	CAP, 0603 3.3nF 10% 25V X7R	AVX 06033C332KAT
30	1	C29	CAP, 150uF 20% 16V	SUN ELEC. 16CE150BS
31	1	L2	IND, 1.0uH	VISHAY IHLP2525CZER1R0M
32	1	Q1	XSTR, MOSFET N-CHANNEL	INFINEON BSC320N20NS

33	1	Q3	XSTR, MOSFET N-CHANNEL	INFINEON BSC028N06NS
34	1	R2	RES, 1206 15 OHMS 5% 1/4W	CRCW120615R0JNTA
35	1	R3	RES, 0603 30.3K OHMS 1% 1/10W	VISHAY CRCW060330K9FKEA
36	2	R6,R11	RES, 1206 160 OHMS 5% 1/4W	VISHAY CRCW1206160RJNEA
37	1	R7	RES, 0805 68 OHMS 5% 1/8W	VISHAY CRCW0805668R0JNEA
38	1	R9	RES, 1206 0.012 OHMS 1% 0.5W	IRC LRC-LRF1206-01-R012-F
39	1	R18	RES, 0603 1.82K OHMS 1% 1/10W	VISHAY CRCW06031K82FKEA
40	1	R22	RES, 0603 7.5K OHMS 5% 1/10W	AAC CR16-752JM
41	1	T1	XFMR, PA1736NL	PULSE PA1736NL
ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS:				
1	0	C5	CAP, 1210 OPTION	OPTION
2	0	C6	CAP, 1210 47uF 20% 6.3V X5R OPTION	TDK C3225X5R0J476MT OPTION
3	0	C18	CAP, 0603 10nF 10% 25V X7R OPTION	AVX 06033C103KAT OPTION
4	0	D7	DIODE, OPTION	OPTION
5	1	C30	CAP, 22uF 100V	SANYO 100ME22AXTS
6	1	L1	IND, 4.7uH	VISHAY IHPL2525CZER4R7M01
7	0	Q4	XSTR, MOSFET N-CHANNEL OPTION	OPTION
8	1	R1	RES, 0603 0 OHM JUMPER	VISHAY CRCW0603000ZRT6
9	0	R10	RES, 1206 OPTION	OPTION
10	0	R27	RES, 0805 OPTION	OPTION
11	1	R28	RES, 0603 0 OHM JUMPER	VISHAY CRCW0603000ZRT6
HARDWARE				
1	4	E1,E2,E3,E4	TURRET	MILL-MAX 2501-2