

Item	Qty	Reference	Part Description	Manufacture / Part #
REQUIRED CIRCUIT COMPONENTS¹				
1	3	C2,C3,C4	CAP., X7R, 1.0uF, 100V, 20%, 1210	TDK, C3225X7R2A105M
2	2	C5,C10	CAP., C0G, 1nF, 50V, 10%, 1206	AVX, 12065A102KAT2A
3	1	C6	CAP., X5R, 100uF, 6.3V, 20%, 1210	TDK, C3225X5R0J107M
4	2	C7,C8	CAP., Tant., 1000uF, 2.5V, 20%, D4D	SANYO, 2R5TPD1000M5
5	1	C11	CAP., X7R, 4.7nF, 250V, 10%, 1812	Murata, GA343DR7GD472KW01L
6	1	C13	CAP., X7R, 0.22uF, 16V, 10%, 0805	AVX, 0805YC224KAT2A
7	1	C14	CAP., X7R, 10uF, 25V, 20% 1210	TDK, C3225X7R1E106M
8	1	C18	CAP., X7R, 3.3nF, 50V, 10%, 0603	AVX, 06035C332KAT2A
9	2	C16,C28	CAP., X7R, 0.1uF, 50V, 10%, 0805	AVX, 08055C104KAT2A
10	1	C17	CAP., X7R, 1uF, 25V, 10%, 0805	TDK, C2012X7R1E105K
11	2	C20,C29	CAP., X7R, 1uF, 25V, 10%, 1206	TDK, C3216X7R1E105K
12	1	C21	CAP., X7R, 2.2uF, 16V, 10%, 0805	TDK, C2012X7R1C225K
13	1	C22	CAP., C0G, 470pF, 50V, 10%, 0603	AVX, 06035A471KAT2A
14	2	C24,C26	CAP., X7R, 0.033uF, 50V, 10%, 0603	AVX, 06035C333KAT2A
15	1	C27	CAP., X7R, 2.2uF, 25V, 20%, 1206	TDK, C3216X7R1E225M
16	2	D2,D1	Rectifiers, 1Amp, SMA	Diodes Inc., ES1B
17	3	D3,D5,D6	DIODE, Schottky, CMPSH1-4, 30V, SOT23	CENTRAL SEMI., CMPSH1-4-LTC
18	1	D4	Diode, BAS21LT1 SOT23	On Semi., BAS21LT1
19	1	L1	INDUCTOR, 2.2uH	Vishay Dale, IHLP-2525CZ-01 2.2uH
20	1	L2	INDUCTOR, 0.6uH	PULSE, PA1382.650
21	2	Q1,Q9	N-CH FET., Si7852DP, POWERPAK SO-8	VISHAY, Si7852DP
22	2	Q10,Q11	PNP Transistor, FMMT718, SOT23	ZETEX, FMMT718
23	5	Q3,Q4,Q5,Q7,Q8	N-CH FET., HAT2165H, LFPK	RENESAS, HAT2165H
24	1	Q13	NPN SILICON PLANAR, FCX491A, SOT89	ZETEX, FCX491A
25	1	Q14	N-CH FET, 150V, FDC2512, SuperSOT-6	Fairchild, FDC2512
26	2	R2,R4	RES., CHIP, 15 Ohm, 1/8W, 5%, 0603	AAC, CR16-150JM
27	2	R6,R3	RES., CHIP, 5.1, 1/4W, 5%, 1206	AAC, CR18-5R1JM
28	1	R7	RES., CHIP, 0.001, 1W, 1%, 2512	Panasonic ERJM1WTF1M0U
29	1	R22	RES., CHIP, 100, 1/8W, 5%, 0603	AAC, CR16-101JM
30	1	R12	RES., CHIP, 0.020, 1.5W, 1%, 2512	IRC, LRC-LRF2512-01-R020-F
31	1	R13	RES., CHIP, 1.2, 1/4W, 5%, 1206	AAC, CR18-1R2JM
32	1	R16	RES., CHIP, 20K, 1/8W, 5%, 0603	AAC, CR16-203JM
33	1	R17	RES., CHIP, 100K, 1/8W, 5% 0805	AAC, CR10-104JM
34	1	R19	RES., CHIP, 365K, 1/8W, 1%, 0805	AAC, CR10-3653FM

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REQUIRED CIRCUIT COMPONENTS¹				
35	1	R21	RES., CHIP, 10K, 1/16W, 1%, 0603	AAC, CR16-1002FM
36	1	R24	RES., CHIP, 100K, 1/16W, 1%, 0603	AAC, CR16-1003FM
37	1	R26	RES., CHIP, 10K, 1/16W, 5%, 0603	AAC, CR16-103JM
38	1	R29	RES., CHIP, 6.65K, 1/16W, 1%, 0603	AAC, CR16-6651FM
39	1	R31	RES., CHIP, 15K, 1/16W, 1%, 0603	AAC, CR16-1502FM
40	1	R37	RES., CHIP, 5.1K, 1/4W, 5% 0603	AAC, CR16-512JM
41	1	R38	RES., CHIP, 169K, 1/16W, 1%, 0603	AAC, CR16-1693FM
42	1	T1	Transformer, 4:4:1:1	PULSE, PA0855
43	1	T3	Transformer, PA0297	PULSE, PA0297
44	1	U1	I.C. LTC3706, SSOP-24 GN	LINEAR TECH., LTC3706EGN
45	1	U2	I.C. LTC3705, SSOP-16 GN	LINEAR TECH., LTC3705EGN
ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS²				
1	1	C1	CAP., X7R, 1.0uF, 100V, 20%, 1210	TDK, C3225X7R2A105M
2	0	Q2,Q12(OPT.)	PNP Transistor, FM718, SOT23	
3	2	R1,R5	RES., CHIP, 0, 1/8W, 0805	AAC, CJ10-000 M
4	8	R8,R9,R18,R20,R25,R30,R32,R39	RES., CHIP, 0, 1/16W, 0603	AAC, CJ06-000 M
5	0	C15,C19,C23,C25,C30,C31,C32 (OPT)	CAP., 0603	
6	1	Q15	N-CH FET, 2N7002 SOT23	ZETEX, 2N7002
7	2	R11,R10	RES., CHIP, 100, 1/8W, 5%, 0603	AAC, CR16-101JM
8	0	R14,R15,R33,R34,R35,R40 (OPT)	RES., CHIP, 0603	
9	1	R23	RES., CHIP, 100K, 1/16W, 1%, 0603	AAC, CR16-1003FM
Notes:				
1. Required Circuit Components are those parts that are required to implement the circuit function				
2. Additional Demo Board Circuit Components are those parts that provide added functionality for the demo board but are not required in the actual circuit.				