

Item	Qty	Reference	Part Description	Manufacturer's Part Number
REQUIRED CIRCUIT COMPONENTS:				
1	1	COUT1	CAP, 7343 220uF 20% 4V POSCAP	SANYO 4TPE220MF
2	1	COUT2	CAP, 7343 68uF 20% 10V POSCAP	SANYO 10TPC68M
3	1	COUT3	CAP, 1210 100uF 6.3V 20% X5R	TAIYO YUDEN JMK325BJ107MM-T
4	5	C1,C10,C12,C16,C23	CAP, 0603 0.1uF 10% 25V X7R	AVX 06033C104KAT
5	1	C2	CAP, 0603 10pF 5% 50V NPO	NIC NMC0603NPO100J50TRPF
6	1	C3	CAP, 0603 22pF 5% 25V NPO	AVX 06033A220JA1
7	1	C4	CAP, 0603 4700pF 25V 20% X7R	AVX 06033C472MA1
8	2	C6,C18	CAP, 0603 1000pF 10% 25V X7R	AVX 06033C102KAT
9	2	C7,C17	CAP, 1210 4.7uF 10% 50V X7R	AVX 12105C475KAT2A
10	2	C11,C22	CAP, 0805 4.7uF 10% 10V X5R	KEMET, C0805C475K8PAC7533
11	1	C13	CAP, 47uF 20% 50V ELECTROLYTIC	SANYO 50CE47BS
12	1	C14	CAP, 0603 47pF 5% 25V NPO	AVX 06033A470JAT2A
13	1	C15	CAP, 0603 3300pF 5% 50V X7R	AVX 06035C332JAT2A
14	1	C19	CAP, 0603 2.2uF 10% 10V X5R	MURATA GRM188R61A225KE34C
15	1	C20	CAP, 1210 10uF 10% 16V X5R	MURATA GRM32DR71C106KA011
16	2	C26,C27	CAP, 0603 100pF 5% 50V NPO	NIC NMC0603NPO101J50TRPF
17	2	D2,D3	DIODE, SCHOTTKY SOD323	CENTRAL SEMI. CMDSH-4E TR
18	1	L1	IND, 3.2uH	SUMIDA CDEP105NP-3R2MC-8E
19	1	L2	IND, 7.2uH	SUMIDA CDEP105NP-7R2MC-8E
20	4	Q1,Q2,Q3,Q4	XSTR, N-CHANNEL MOSFET	INFINEON BSZ097N04LSG
21	2	R1,R39	RES, 0603 200K OHMS 5% 1/10W	VISHAY CRCW0603200KJNEA
22	1	R2	RES, 0603 35.7K OHMS 1% 1/10W	VISHAY CRCW060335K7FKEA
23	1	R3	RES, 0603 11.5K OHMS 1% 1/10W	VISHAY CRCW060311K5FKEA
24	1	R4	RES, 0603 57.6K OHMS 1% 1/10W	VISHAY CRCW060357K6FKEA
25	1	R5	RES, 0603 182K OHMS 1% 1/10W	VISHAY CRCW0603182KFKEA
26	1	R10	RES, 2010 0.005 OHMS 5% 1W	TT ELECTRONICS LRC-LRF2010LF-01-R005J
27	1	R11	RES, 0603 8.2K OHMS 5% 1/10W	VISHAY CRCW06038K20JNEA
28	2	R13,R15	RES, 0603 2.2 OHMS 5% 1/10W	VISHAY CRCW06032R20JNEA
29	1	R16	RES, 0603 15K OHMS 5% 1/10W	VISHAY CRCW060315K0JNEA
30	1	R17	RES, 2010 0.008 OHMS 1% 1W	VISHAY WSL20108L000FEA
31	1	R18	RES, 0603 102K OHMS 1% 1/10W	VISHAY CRCW0603102KFKEA
32	1	R19	RES, 0603 976K OHMS 1% 1/10W	VISHAY CRCW0603976KFKEA
33	1	R24	RES, 0603 97.6K OHMS 1% 1/10W	VISHAY CRCW060397K6FKEA

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34	1	R25	RES, 0603 10K OHMS 1% 1/10W	VISHAY CRCW060310K0FKEA
35	1	R27	RES, 0603 100K OHMS 5% 1/10W	VISHAY CRCW0603100KJNEA
36	1	R35	RES, 0603 66.5K OHMS 1% 1/10W	VISHAY CRCW060366K5FKEA
37	1	R37	RES, 0603 12.7K OHMS 1% 1/10W	VISHAY CRCW060312K7FKEA
38	1	U1	IC, STEP-DOWN CONTROLLER	LINEAR TECH. LTC3858EUH
ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS:				
1	0	C5,COUT4	CAP, 7343 220uF 20% 4V POSCAP OPTI	SANYO 4TPE220MF OPTION
2	0	C21,C28,C29	CAP, 0603 OPTION	OPTION
3	0	C24,C25	CAP, 1210 4.7uF 10% 50V X7R OPTION	KEMET C1210C475K5RAC7533 OPTION
4	0	Q5,Q6,Q7,Q8	XSTR, N-CHANNEL MOSFET OPTION	OPTION
5	0	R26,R28,R29-R34,R36,R38,R40,R41	RES, 0603 OPTION	OPTION
HARDWARE-FOR DEMO BOARD ONLY:				
1	9	R6-R9,R14,R20-R23	RES, 0603 0 OHM JUMPER	VISHAY CRCW06030000Z0EA
2	1	JP2	Header, 3X2 2mm	SAMTEC TMM-103-02-L-C
3	4	JP3,JP4,JP5,JP6	HEADER, 3PIN, 2mm	SAMTEC TMM-103-02-L-S
4	1	JP8	HEADER, 4PIN	SAMTEC TMM-104-02-L-S
5	6	J1,J2,J3,J4,J5,J6	JACK, BANANA	KEYSTONE 575-4
6	9	E1-E4,E9,E10,E15-E17	TURRET	MILL MAX 2308-2-00-80-00-00-07-C
7	6	E5,E6,E11,E12,E13,E14	TURRET	MILL-MAX 2501-2-00-80-00-00-07-C
8	6	XJP2-XJP7	SHUNT, 2mm	SAMTEC 2SN-BK-G
9	4		STANDOFF, SNAP ON	KEYSTONE_8833