

Item	Qty	Reference	Part Description	Manufacturer / Part #
REQUIRED ELECTRICAL COMPONENTS				
1	1	CIN1	CAP, 1210 4.7uF 20% 25V X7R	TDK C3225X7R1E475M
2	1	CIN2	CAP, 1210 4.7uF 10% 50V X7R	AVX 12105C475KAT2A
3	5	C1,C2,C3,C4,C5	CAP, 1210 2.2uF 10% 100V X7R	MURATA GRM32ER72A225KA35L
4	1	C6	CAP, 0805 4.7uF 10% 10V X5R	TAIYO YUDEN LMK212BJ475KG-T
5	1	C7	CAP, 0402 2200pF 5% 50V X7R	AVX 04025C222JAT2A
6	1	D1	DIODE, SCHOTTKY	DIODES INC. PDS560
7	1	L1	IND, 10uH	SUMIDA CDRH8D38NP-100NC
8	1	M1	MOSFET N-CHANNEL 60V	VISHAY Si7850DP-T1-E3
9	1	RS1	RES, 2010 0.015 OHM 1% 1W	IRC LRF2010LF-01-R015-F
10	1	RT	RES, 0402 39.2K OHMS 1% 1/16W	PANASONIC ERJ-2RKF3922X
11	1	R1	RES, 0603 499K OHMS 1% 1/10W	NIC NRC06F4993TRF
12	1	R4	RES, 0603 40.2K OHMS 1% 1/10W	NIC NRC06F4022TRF
13	2	R7,R10	RES, 0402 20K OHMS 1% 1/16W	NIC NRC04F2002TRF
14	1	R8	RES, 0402 11K OHMS 1% 1/16W	NIC NRC04F1102TRF
15	1	R11	RES, 0402 30.9K OHMS 1% 1/16W	NIC NRC04F3092TRF
16	1	R13	RES, 0402 10K OHMS 5% 1/16W	NIC NRC04J103TRF
17	1	R14	RES, 0402 5.76K OHMS 1% 1/16W	NIC NRC04F5761TRF
18	1	R18	RES, 0603 1M OHMS 5% 1/10W	VISHAY CRCW06031M00JNEA
19	1	U1	IC, 8-CHANNEL LED DRIVER	LINEAR TECH LT3760EFE
OPTIONAL ELECTRICAL COMPONENTS				
1	0	C10	DO NOT STUFF	OPTION
2	0	R2,R3,R5,R16	RES, 0603 OPTION	OPTION
3	1	R6	RES 0603 0 OHM JUMPER	NIC NR06Z0TRF
4	0	R9, R12	DO NOT STUFF	OPTION
5	1	R15	RES, 0603 100K OHMS 5% 1/10W	NIC NRC06J104TRF
6	1	R17	RES, 0402 0 OHM JUMPER	VISHAY CRCW04020000Z0ED
HARDWARE				
1	14	E1-E6,E13,E40-E46	TURRET	MILL MAX 2501-2-00-80-00-00-07-0
2	16	E7,E9-E11,E14-E16,E18-E20, E22,E23,E27,E31,E35,E39	TURRET	MILL MAX 2308-2-00-80-00-00-07-0