

Item	Quantity	Reference	Part	Value	Tol	Rating	Type	Manufacturer	Part Number	Supplier
1	1	C15	470uF,,,	470uF		35 VDC	Aluminum Electrolytic, Tubular/Radial	Panasonic	EEUFC1V471	Digi-Key 800-344-4539
2	3	C1,C3,C13	330uF,,10V,TANT	330 uF	10%	10VDC	Solid Tantalum, Ultra-Low ESR	Kemet	T510X337K010AS	Kemet Electronics
3	1	C16	100uF,,16V,TANT	100 uF	10%	16VDC	Solid Tantalum, Low ESR, Surge Robust	Kemet	T495X107K016AS	Kemet Electronics
4	2	C8,C11	33uF,,35V,TANT	33 uF	10%	35VDC	Solid Tantalum, Low ESR, Industrial	Kemet	T494X336K035AS	Kemet Electronics
5	1	C4	4.7uF,,10V,TANT	4.7 uF	10%	10VDC	Solid Tantalum, Low ESR, Industrial	Kemet	T494A475K010AS	Kemet Electronics
6	1	C7	10uF,,50V,CER	10 uF	+22/-82	50VDC	Monolithic Ceramic Cap, Smoothing Type	Murata	GJ243XF51H106ZD12	
7	1	C5	0.22uF,,25V,X7R	0.22 uF	20%	25VDC	Monolithic Ceramic Cap, X7R Dielectric	AVX	12063C224MAT1A	ClassicIC 800-952-4440
8	2	C10,C12	0.1uF,,25V,X7R	0.10 uF	20%	25VDC	Monolithic Ceramic Cap, X7R Dielectric	AVX	08053C104MAT1A	ClassicIC 800-952-4440
9	1	C9	2.2nF,,50V,NPO	2.2 nF	10%	50VDC	Monolithic Ceramic Cap, COG Dielectric	AVX	08055A222KAT1A	ClassicIC 800-952-4440
10	3	C2,C6,C14	220pF,,50V,NPO	220 pF	10%	50VDC	Monolithic Ceramic Cap, COG Dielectric	AVX	06035A221KAT1A	
11	1	R2	2.2,,,	2.2	5%	1/8W	Metal Film, +/-100 ppm TC, Mini Axial	KOA		Digi-Key 800-344-4539
12	1	R1	392,,,	392	1%	1/16W	Metal Film, +/-100 ppm TC, SMT-0603	TAD		Garrett 805-922-0594
13	1	R4	1.58k,,,	1.58k	1%	1/16W	Metal Film, +/-100 ppm TC, SMT-0603	TAD		Garrett 805-922-0594
14	1	R3	10k,,,	10k	5%	1/16W	Metal Film, +/-100 ppm TC, SMT-0603	TAD		Garrett 805-922-0594
15	1	D1	MBRS340T3,,,	MBRS340T3	-	40VDC	Schottky Power Rectifier 3.0 Amps	ON Semiconductor	MBRS340T3	ClassicIC 800-952-4440
16	2	D2,D4	MBR0530T1,,,	MBR0530T1	-	30VDC	Schottky Power Rectifier 0.5 Amps	ON Semiconductor	MBR0530T1	ClassicIC 800-952-4440
17	1	D3	DIODE DUAL SCHOTTKY,,,	MBRD1035CTL	-	35VDC	Dual 5.0 Amp Schottky Power Rectifiers	ON Semiconductor	MBRD1035CTL	ClassicIC 800-952-4440
18	1	Z1	5KP22A,,,	24 VDC	5%	5kW peak	TransZorb Transient Voltage Supressor	General Semi	5KP22A	ClassicIC 800-952-4440
19	2	Q1,Q2	SI4412DY,,,	Si4412	-	+30VDC	N-Channel, Id 8A, Rds 24 mOhm, SO8	Vishay	Si4412DY	ClassicIC 800-952-4440
20	1	U1	LTC1625,,,	LTC1625	-	-	Current-Mode Synchronous Switcher, SO	Linear	LTC1625CS	Digi-Key 800-344-4539
21	1	U3	LT1529,,,	LTC1529	-	-	3A Low Dropout Linear Regulator, DDPAK	Linear	LT1529CQ	Digi-Key 800-344-4539
22	1	U2	LT1121,,,	LTC1121-3.3	-	-	Micropower Low Dropout Regulator, SOT	Linear	LT1121CST-3.3	Digi-Key 800-344-4539
23	1	J3	AMPLATCH_10,,,	10 Pin	-	-	2 Row Vertical Latching Header	AMP	102153-1	Digi-Key 800-344-4539
24	3	J1,J2,J4	TERM_BLOCK_2,,,	2 Pin	-	-	1 Row Vert Header with Screw Retention	Phoenix Contact	1843224 and 1847055 Plug	Future 888-880-3449
25	1	F1	5A,,,PC-TRON	5 A	-	-	Fuse, Solid Matrix	Bussman	PCE-5	Digi-Key 800-344-4539
26	1	FIL1	BNX002-01,,,EMI_FILTER	-	-	50 VDC	EMI Filter, 10A, 4 Lead, "Block" Type	Murata Erie	BNX002-01	ClassicIC 800-952-4440
27	1	L1	33uH,,,	33 uH	+/-20%	2.8A RMS	SMT Power Inductor, DCR 75 mOhm	Coilcraft	DS5022P-333	ClassicIC 800-952-4440
28	2	JP1,JP2	JMP_SML,,,	WARNING: Part is not			in INCLUDE file			