

Qty	Reference	Value	Description	Size	Part Number	MFR	Area
1	C10	0.01uF	Capacitor, Ceramic, 50V, X7R [tol]	603	Std	Std	5650
1	C14	10pF	Capacitor, Ceramic, 50V, NP0, 10%	603	Std	muRata	5650
1	C11	2.2nF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std	5650
1	C18	220nF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std	5650
1	C16	470 pF	Capacitor, Ceramic, 50V, X7R, [tol]	603	Std	Std	5650
2	C6 C8	.1u	Capacitor, Ceramic, 16-V, [temp], [tol]	805	std	muRata	10560
1	C15	0.47uF	Capacitor, Ceramic, 0.47uF, 16V, X7R, 10%	805	Std	Std	10560
1	C17	2.2uF	Capacitor, Ceramic, 50V, X5R, +/-10%	805	Std	Std	10560
1	C13	22 uF	Capacitor, Ceramic, 6.3V, X5R, 10%	1206	C3216X5R0J226K	TDK	15390
1	C2	10nF	Capacitor, Ceramic, 500V, X7R, 10%	1210	12107C103KAT2A	AVX	83,600
1	C12	2.2uF	Capacitor, Ceramic, 50V, X7R, 20%	1210	C3225X7R1H225M	TDK	28000
1	C3	0.22uF	Capacitor, X2 Class, 0.22uF, 275V, 20%	0.709 x 0.236 inch	R46KI322050M2M	Kemet (Arcotronics)	198,640
1	C9	1000pF Y1	Capacitor, Cer. Disc, 250V, Y1	0.394 X 0.315 inch Max.	ECK-ANA102MB	Panasonic	128
1	C1	0.68uF	CAP, PROPYLENE FILM, 275Vac, 20%	0.885 x 0.370 inch	R46KN268000-M	Kemet (Arcotronics)	327450
2	C4-5	1000uF	Capacitor, Electrolytic Low ESR, 35V, 2.48Arms, 17milliOhm	0.492 inch	EKZM350ESS102MK20S	Nippon Chemi-Con	214,008
1	C19	47uF	Capacitor, Aluminum Electrolytic, 47uF, 25V	0.197 inch	EKY-250Exx470ME11D	Nippon ChemiCon	40,471
1	C7	100uF	Capacitor, Aluminum Electrolytic, 100uF, 25V	0.248 inch	EKY-250Exx101MF11D	Nippon ChemiCon	70,686
1	D11	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor	14105
1	D1	KBL06	Diode, Bridge Rectifier, 4 A, 600V	KBL	KBL06	Vishay	240700
2	D2-3	BYG10J	Diode, Standard Rectifier, 1.5A, 600V	SMA	BYG10J	Vishay	29520
1	D8	MBR0520L	Diode, Schottky, 0.5A, 20V	SOD-123	MBR0520L	Fairchild	19380
1	D9	MBRM140	Diode, Schottky, 1A, 40V	457-04	MBRM140E	On Semi	193800
1	D5	MUR1020CT	Diode, Dual Ultrafast Rectifier, 200V, 10A	TO-220	MUR1020CT	On Semi	8858
1	D6	MURA120T3	Diode, Rectifier, 1A, 200-V	SMA	MURA120T3	ON	29520
1	D4	US1K	Diode Ultrafast, 1-A, 800-V	SMA	US1K	Diodes Inc.	95000
1	D7	18V	Diode, Zener, 1W, 18V	SMA	SMAZ18-13	Diodes Inc.	37520
1	D100	20V	Diode, Zener, 20-V, 225-mW, 5%	SOT23	MMBZ5250BLT1	Motorola	14105
1	D10	27V	Diode, Zener, 27-V, 4.6-mA, 225-mW, 5%	SOT23	MMBZ5254BLT1	Motorola	14105
1	F1	1A/250V	Fuse, TR5 Series, 1A, 250V	0.335	3701100041	Wickmann	104,635
1	L2	10mH	Inductor, 1 A, 360 milliohm	0.512 x 0.728 inch	744822110	WE	410836
1	L3	47uH	Inductor, SMT, 1.2A, 245milliohm	0.236 x 0.236 inch	LPS6235-473ML	Coilcraft	84000
1	L1	1mH	Inductor, SMT, 1.42-A, -1.17-ohm	0.484 x 0.484 inch	MSS1278T-824KL	Coilcraft	269,336
1	R24	10k	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R25	11.5k	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R100	1k	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R21	2.49k	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R101	220	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R23	4.7k	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R18	49.9	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R20	5k	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R10	4.7	Resistor, Chip, 1/10-W, 1%	805	Std	Std	10560
1	R17	0.4	Resistor, Chip, 0.4-Ohms, 1-W, 1%	2512	Std	Std	35100
2	R1 R3	10K	Resistor, Metal -Mite, 2W, ±1%		std	Std	
1	R5	100K	Resistor, Chip, 1/16W, 1%	603	Std	Std	9100
1	R14	10K	Resistor, Chip, 1/16W, 1%	603	Std	Std	9100
1	R13	1K	Resistor, Chip, 1/16W, 1%	603	Std	Std	9100

1	R15	1k	Resistor, Chip, 1/16W, 1%	603	Std	Std	9100
1	R11	20K	Resistor, Chip, 1/16W, 1%	603	Std	Std	9100
1	R16	3.24K	Resistor, Chip, 1/16W, 1%	603	Std	Std	9100
1	R8	6.98K	Resistor, Chip, 1/16W, 1%	603	Std	Std	9100
1	R12	68K	Resistor, Chip, 1/16W, 1%	603	Std	Std	9100
1	R19	100k	Resistor, Chip, 1/10W, 1%	805	Std	Std	15,300
1	R22	10k	Resistor, Chip, 1/10W, 1%	805	Std	Std	15,300
1	R6	2.2	Resistor, Chip, 1/8W, 5%	1206	Std	Std	20000
2	R7 R9	1.5M	Resistor, Chip, ¼ W, 5%	1210	STD	STD	30800
2	R2 R4	100K	Resistor, Chip, ¼ W, 5%	1210	STD	STD	30800
1	J1	ED555/3DS	Terminal Block, 3-pin, 6-A, 3.5mm	0.41 x 0.25 inch	ED555/3DS	OST	105825
1	U4	TL431ADBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431ADBZ	TI	16384
5	TP1-5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
1	U2	TPS5410D	IC, Switching Step-Down Regulator, 36V, 1A,	SO8	TPS5410D	TI	75900
1	Q1	STP14NM65	MOSFET, Nchan, 650V, 14A, 380 milliohm	TO-220AB	STP14NM65	ST	110700
1	U1	UCC28810D	IC, LED LIGHTING POWER CONTROLLER	SO8	UCC28810D	TI	75900
1	T1	G084231LF	Transformer, Flyback, 10±%	0.964 X 1.240 inch	G084231LF	GCI	1098800
1	U3	H11A817A	IC, Optocoupler, 5300-V, 80-160% CTR	0.380 x 0.180 inch	H11A817A	Fairchild	74100

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