

PMP4662_REV_B BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr	AREA
1	C0	22uF	Capacitor, Electrolytic, 105°C ±20%	F73	EMZE2 50ADA220MF73G	Nippon	
1	C5	1500pF	CAP, CERM DISC Y1, 250Vac, 20%	.500 X .310	ECKDNA152ME	Panasonic	
1	C11	1nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK	
1	C12	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK	
1	C13	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK	
1	C14	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK	
1	C15	15nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H222K	TDK	
1	C19	1uF	Capacitor, Ceramic, 16V, X7R	0603	C1608X7R1C105M	TDK	
1	C20	22uF	Capacitor, Ceramic, 10V, [temp], [tol]	0805	GRM40yxyxxxKvv	muRata	
1	C21	47uF	Capacitor, Ceramic, vvV, [temp], [tol]	1206	GRM42-6yxyxxxKvv	muRata	
2	C22	4.7uF	Capacitor, Aluminum,400V, ±20%	JA0	EMKB401ADA4R7MJA0G	Nippon Chemicon	
	C24	4.7uF	Capacitor, Aluminum,400V, ±20%	JA0	EMKB401ADA4R7MJA0G	Nippon Chemicon	
1	D1	RH06-T	Bridge Rectifier, 600Vdc, 0.5A, Glass Passivated, Fast Recove	MiniDIP	RH06-T	Diodes	
1	D2	ZHCS1006TA	Diode, Schottky, 1A, 60V	SOT23	ZHCS1006TA	Zetex	
1	D7	BAS19	Diode, Switching, 120V, 200mA	SOT23	BAS19LT1	On Semiconductor	
1	F1	80mA/250V	Fuse, TR5 Series, 80mA, 250V	0.335	3700080041	Wickmann	
1	J6	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST	
1	L2	LPS6235	Inductor SMT, 10mH, 74mA, 29milliohm	0.236 x 0.236 inch	LPS6225-103ML	Coilcraft	
1	Q2	STD1NK80Z	MOSFET, N-ch, 650V, 300-mA, 4-millOhms	SOT223	STD	SPN01N60C3	
1	Q101	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semiconductor	
2	Q102	MMBT3904LT1	Bipolar, NPN, xx-V, yy-mA, zz-W	SOT23	MMBT3904LT1	On Semi	
	Q103	MMBT3904LT1	Bipolar, NPN, xx-V, yy-mA, zz-W	SOT23	MMBT3904LT1	On Semi	
2	R3	1.1MEG	Resistor, Chip, 1/4W, 5%	1210	1210	Std	
	R5	1.1MEG	Resistor, Chip, 1/4W, 5%	1210	1210	Std	
1	R8	76.8k	Resistor, Chip, 1/16W, 1%	0603	0603	Std	
1	R9	17.4k	Resistor, Chip, 1/16W, 1%	0603	0603	Std	
1	R10	3.65k	Resistor, Chip, 1/16W, 1%	0603	0603	Std	
1	R11	14.3	Resistor, Chip, 1/10W, 1%	0805	0805	Std	
2	R12	49.9	Resistor, Chip, 1/16W, 1%	0603	0603	Std	
	R13	49.9	Resistor, Chip, 1/16W, 1%	0603	0603	Std	
2	R14	1k	Resistor, Chip, 1/16W, 1%	0603	0603	Std	
	R15	1k	Resistor, Chip, 1/16W, 1%	0603	0603	Std	
1	R16	10k	Resistor, Chip, 1/16W, 1%	0603	0603	Std	
1	R18	4.87k	Resistor, Chip, 1/16W, 1%	0603	0603	Std	
1	T1	PH9078NL	Transformer,	0.515 x 0.600 inch	PH9078NL	Pulse	
6	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	
	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	
	TP4	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	
2	TP5	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	
	TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	
	TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	
	TP8	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	
	TP21	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	
1	U1	UCC28600D	IC, Quasi-Resonant Flyback Green Mode Controller	SO8	UCC28600D	Texas Instruments	
1	U3	TLV431A	IC, Shunt Regulator, 1.24-V ref, 6-V, 10-mA, 1%	SOT23-5	TLV431ACDBVR	Texas Instruments	
1	U19	TLV7003DDC	IC, 150mA, Low IQ, LDO Regulator	SOT23-5	TLV700xxDDC	TI	

- Notes:
1. These assemblies are ESD sensitive, ESD precautions shall be observed.
 2. These assemblies must be clean and free from flux and all contaminants.
Use of no clean flux is not acceptable.
 3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.
 4. Ref designators marked with an asterisk (***) cannot be substituted.
All other components can be substituted with equivalent MFG's components.

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