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PMP5732 REV_B BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	0.22uF	Capacitor, Polypropelene film, 310VAC	1.024 X 0.335 inch	BFC233820224	Vishay
1	C2	10nF	Capacitor, Ceramic, 500V, X7R, 10%	1812		
1	C3	0.22uF	Capacitor, X2 Class, 0.22uF, 275V, 20%	0.709 x 0.236 inch	R46KI322050M2M	Kemet (Arcotronics)
3	C4	1200uF	Capacitor, Aluminum Electrolytic, 1200uF, 50V	0.492 inch	EEUFC1H122S	Panasonic
	C5	1200uF	Capacitor, Aluminum Electrolytic, 1200uF, 50V	0.492 inch	EEUFC1H122S	Panasonic
	C101	1200uF	Capacitor, Aluminum Electrolytic, 1200uF, 50V	0.492 inch	EEUFC1H122S	Panasonic
3	C6	.1u	Capacitor, Ceramic, 16-V, [temp], [tol]	0805	std	muRata
2	C7	100uF	Capacitor, Aluminum Electrolytic, 100uF, 35V	0.248 inch	EKZM350ELL101MF11D	Nippon ChemiCon
1	C8	47uF	Capacitor, Aluminum Electrolytic, 47uF, 35V	0.197 inch	EEEFK1V470AP	Panasonic
	C9	.1u	Capacitor, Ceramic, 16-V, [temp], [tol]	0805	std	muRata
1	C10	470pF	CAP 300VAC X1/Y2	0.236 x 0.315 inch	VY2471K29Y5SS63V7	Vishay
1	C11	2.2nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C12	56uF	Capacitor, Aluminum Electrolytic, 56uF, 35V	0.248 inch	EKY-250Exx101MF11D	Nippon ChemiCon
1	C13	10pF	Capacitor, Ceramic, 50V, NP0, 10%	0603	Std	muRata
	C14	.1u	Capacitor, Ceramic, 16-V, [temp], [tol]	0805	std	muRata
1	C15	DNP	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C16	3.3uF	Capacitor, Ceramic, 16V, X7R, 10%	805	Std	Std
	C17	100uF	Capacitor, Aluminum Electrolytic, 100uF, 35V	0.248 inch	EKZM350ELL101MF11D	Nippon ChemiCon
1	C18	220nF	Capacitor, Ceramic, 50V, X7R, +/-10%	603	std	std
1	D1	KBP06G	Diode, Bridge Rectifier, 1.5A, 600V	0.580 x 0.145 inch	KBP06G	Diodes
2	D2	BYG10J	Diode, Standard Rectifier, 1.5A, 600V	SMA	BYG10J	Vishay
	D3	BYG10J	Diode, Standard Rectifier, 1.5A, 600V	SMA	BYG10J	Vishay
1	D4	US1K	Diode Ultrafast, 1-A, 800-V	SMA	US1K	Diodes Inc.
1	D5	MUR1020CT	Diode, Dual Ultrafast Rectifier, 200V, 10A	TO-220	MUR1020CT	On Semi
2	D6	MURA120T3	Diode, Rectifier, 1A, 200-V	SMA	MURA120T3	ON
1	D7	18V	Diode, Zener, 1W, 18V	SMA	SMAZ18-13	Diodes Inc.
	D8	MURA120T3	Diode, Rectifier, 1A, 200-V	SMA	MURA120T3	ON
1	D9	39V	Diode, Zener, 39-V	SOT23	MMBZ5259	ON
1	D10	MBR0520L	Diode, Schottky, 0.5A, 20V	SOD-123	MBR0520L	Fairchild
1	D11	8.2v	Diode, Zener, 8.2-V, yy-mA, zz-mW, q%	SOT23	BZX84C8V2	On Semiconductor

3	D12	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor
	D13	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor
1	F1	1A/250V	Fuse, TR5 Series, 1A, 250V	0.335	3701100041	Wickmann
1	J1	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	1mH	Inductor, SMT, 0.8A, zzmilohm	0.51x 0.37 inch	DO3340P-105ML	Coilcraft
1	L2	20mH	Inductor, 0.5 A, 540 milliohm	0.512 x 0.728 inch	744822120	WE
1	Q1	SPP11N80	MOSFET, Nchan, 650V, 8.5A, 930 milliohm	TO-220AB	IRFB9N65A	Vishay
1	Q2	3904	Bipolar, NPN, xx-V, yy-mA, zz-W	SOT23	MMBT3904	
2	R1	100K	Resistor, Chip, ¼ W, 5%	1210	STD	STD
2	R2	22K	Resistor, Metal -Mite, 2W, ±1%	{Size}	std	Std
	R3	22K	Resistor, Metal -Mite, 2W, ±1%	{Size}	std	Std
	R4	100K	Resistor, Chip, ¼ W, 5%	1210	STD	STD
1	R5	100K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R6	0.022	Resistor, Chip, 1/2W, 1%	1210	STD	STD
1	R7	348	Resistor, Chip, 1/8W, 5%	1206	Std	Std
1	R8	2.2	Resistor, Chip, 1/8W, 5%	1206	Std	Std
2	R9	750k	Resistor, Chip, ¼ W, 5%	1210	STD	STD
3	R10	1K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R11	75K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R12	1K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	6.98K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R14	750k	Resistor, Chip, ¼ W, 5%	1210	STD	STD
	R15	75K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	10	Resistor, Chip, 1/10-W, 1%	0805	Std	Std
	R17	2K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	10K	Resistor, Chip, 1/10W, yy%	0805	Std	Std
1	R19	10K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R20	68.1K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R21	332	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R22	0.5	Resistor, Chip, 0.5-Ohms, 1-W, 1%	2512	Std	Std
1	R23	1.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R24	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R25	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R26	2.49k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R27	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R102	TBD	Resistor, Chip, 1/10-W, 1%	0805	Std	Std

1	T1	G084231LF	Transformer, Flyback, 10±%	0.964 X 1.240 inch	G084231LF	GCI
5	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP2	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
	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	U1	TL103WID	IC, Dual Op Amp With Internal Reference	SO8	TL103WID	TI
1	U2	UCC28810D	IC, LED LIGHTING POWER CONTROLLER	SO8	UCC28810D	TI
1	U3	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay

- 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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