PMP7033RevB_BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
2	C1 C4	330n	Capacitor, Film, 305VAC, 20±%	0.689 x 0.217 inch	B32922C3334K	Epcos
	C10	1000u	Capacitor, Aluminum, 10V, ±20%	10x12mm	EEEFK1A102P	Panasonic
	C11	470u	Capacitor, Aluminum, 10V, ±20%	8x10mm	EEEFK1A471P	Panasonic
	C12	100n	Capacitor, Ceramic, 50V, X7R, 10%	1206	STD	STD
	C13	100p	Capacitor, Ceramic, 500V, C0G, 10%	1206	STD	STD
	C14	56uF	Capacitor, Aluminum Electrolytic, 35V	0.248 inch	STD	Rubycon
	C15 C16	6.8n	Capacitor, Ceramic, 50V, X7R, 10% Capacitor, Ceramic, 50V, X7R, 10%	0603 0603	STD STD	STD
	C16	100p	Capacitor, Ceramic, 50V, X/R, 10% Capacitor, Ceramic, 50V, C0G, 10%	0603	STD	STD
1	C17	150p	Capacitor, Ceramic, 50V, CoG, 10%	0603	STD	STD
1	C19	1n	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	TDK
	C2 C5	27u	Capacitor, Aluminum, 450V, 20%	14.5mm x 20mm	EKXJ451ELL270MJ20S	Nippon
	C20	10n	Capacitor, Ceramic, 16V, X7R, 10%	0603	STD	STD
	C21	DNP	Capacitor, Ceramic, 16V, X7R, 10%	0603	STD	STD
	C22	DNP	Capacitor, Ceramic, 50V, C0G, 10%	0603	STD	STD
	C23	22u	Capacitor, Aluminum Electrolytic, 35V	0.248 inch	STD	STD
1	C24	1n	Capacitor, Ceramic, 1000V, C0G, 10%	1206	STD	STD
1	C25	10n	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
1	C3	220pF	Capacitor, Ceramic, 500V, C0G, 10%	1206	STD	STD
	C6-7	2n2	Capacitor, Ceramic, 2.5kVp, 300Vac, ± 10%	х	STD	STD
2	C8-9	47u	Capacitor, Ceramic, 10V, X5R, 10%	1812	C4532X5R1A476M	TDK
	D10	BZX84C20	Diode, Zener, 20-V, 100-mA, 300-mW, 5%	SOT23	BZX84C20	OnSemi
	D1-4	US1M	Diode, Rectifier, 1A, 1000V	SMA	US1M	Diodes Inc
	D5-6 D9	US1K-13	Diode, Rectifier, 1A, 800V	SMA	US1K-13	Diodes Inc
	D7	B3100-13-F	Diode, Schottky, 3-A, 100-V	SMC	B3100-13-F	Vishay-Liteon
	D8	RED	Diode, LED, Red, 2.1-V, 20-mA, 6-mcd	0603	LTST-C190CKT	Lite On
	HS1	HS1	Heatsink, TO-220/218 veritcal	0.640 x 0.640 inch	634-xxxAyy	Wakefield
1	J1 J2	B2P3-VH	Header, Top Entry 2-pin, 312 mil spacing, Terminal Block, 2-pin, 6-A, 3.5mm	0.465 X 0.370 inch	B2P3-VH	EH OST
	J2 L1	ED1514 1mH	Inductor, Power, 0.2A	0.27 x 0.25 0.350 x 0.300 inch	ED1514 744 772 102	WE
1	L2	5mH	Inductor, Power, 0.2A	7.5x15 mm	744 772 102	WE
1	L3	2.2uH	Inductor, Coupled, 5ffff ±30% Inductor, Power, 5A	0.350 x 0.300 inch	744 772 022	WE
1	Q1	MMBT2222A	TRANSISTOR, NPN, HIGH-PERFORMANCE, 500mA	SOT-23	MMBT2222A	Fairchild
1	Q2	STP3N150	MOSFET, Nch, 1500V, 1.6A, 6 Ohms	TO-220	STP3N150	ST
	R1	47	Fusible Resistor, 5±%, 3W	1.300 X .210 inch	PWR4522AS47R0JA	Bourns
	R12	2	Resistor, Chip 1/4 watt, ±1%	1206	STD	STD
	R14	1k	Resistor, Chip 1/4 watt, ±1%	1206	STD	STD
	R15	DNP	Resistor, 1W, 2%	2512	STD	STD
1	R16	432k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R17	1k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R18	20	Resistor, Chip, 1/10W, 1%	0805	STD	STD
	R19	80.6k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
	R2	2k1	Resistor,1/4 watt, 5%	1206	STD	STD
	R20	49.9	Resistor, Chip, 1/16W, 1%	0603	STD	STD
	R21 R24	1.5k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
	R22	2.8	Resistor, Chip, 1/10W, 1%	0805	STD	STD
	R23	4k99	Resistor, Chip, 1/16W, 1%	0603	STD	STD
	R25	47k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
	R26	1k24	Resistor, Chip, 1/16W, 1%	0603	STD	STD
	R27 R30 R29	DNP 27	Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/10W, 1%	0603 0805	STD STD	STD
	R29	412k	Resistor, Chip, 1/10W, 1% Resistor, Metal Film, 1±%, 0.5-W,	1.300 X .210 inch	STD	STD
1	R4	S25K625E4R12	Varistor, 625V	0.335 x 0.551 inch	B72225S4621K101	Epcos
4	R5 R7 R9-10	680k	Resistor, 1/4 watt, 5%	1206	STD	STD
4	R6 R8 R11 R13	2MEG	Resistor, 1/4 watt, 5%	1206	STD	STD
4	SCR1-4		Through Hole for Screw #4 plated	.200	0.0	0.0
1	T1	2.3 mH	Transformer, ±10%	19x22 mm	063015-A	Kaschke
	TP1-6 TP8-14	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	STD	Keystone
1	TP7	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	STD	Keystone
	U1	UCC28600D	IC, Quasi-Resonant Flyback Green Mode Controller	SO8	UCC28600D	TI
	U2	CNY17F-1M	IC, Optocoupler, 70 Vceo, Viso 5000Vrms, Wide Lead Space	DIP6 [400mil wide]	CNY17F-1M	Fairchild
	U3	TLV431CDBZR	IC, Low-Voltage Adjustable Shunt Regulator	SOT23-3	TLV431CDBZx	TI
Notes:			e, ESD precautions shall be observed.	1		
			nd 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.					
			erisk ('**') cannot be substituted.			
	All other compo	ments can be substit	tuted with equivalent MFG's components.		1	1

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