

Filename: PMP2622_REVC_bom.xls

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PMP2622_REVC BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	4700pF	Capacitor, Ceramic, 1000V, [temp], [tol]	1210	1210AC472KAT1A	AVX
1	C3	47pF	Capacitor, Ceramic, Low Inductance, 10V, [temp], [tol]	0603	GRM39yyyxxxKvvvA	muRata
1	C4	4.7uF	Capacitor, Ceramic, 25V, X7R	0805	C2012X7R1E105K	TDK
1	C5	1nF	Capacitor, Ceramic, 0.047uF, 250V, [temp], [tol]	1206	C3216X7R2E333K	TDK
1	C6	.1uF	Capacitor, Ceramic, .1-uF, 25-V, [temp], [tol]	0805	GRM40X7R104K25	muRata
1	C7	180pF	Capacitor, Ceramic, 470-pF, 50-V, X7R, 20%	0603	GRM188R71H471KA	muRata
1	C8	1uF	Capacitor, Ceramic, Low Inductance, 10V, [temp], [tol]	0603	GRM39yyyxxxKvvvA	muRata
5	C9	1uF	Capacitor, Ceramic, 16V, X7R	0603	C1608X7R1C105M	TDK
1	C10	0.1uF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R	0805	GRM40X7R104K50PT	muRata
1	C11	1uF	Capacitor, Ceramic, 1-uF, 16-V, X7R	0805	GRM40X7R105K16PT	muRata
1	C12	470pF	Capacitor, Ceramic, 470-pF, 50-V, X7R, 20%	0603	GRM188R71H471KA	muRata
1	C13	5.6nF	Capacitor, Ceramic, vvV, [temp], [tol]	0805	GRM40yyyxxxKvv	muRata
1	C14	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C15	22nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C16	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C17	1uF	Capacitor, Ceramic, 16V, X7R	0603	C1608X7R1C105M	TDK
1	C18	4.7uF	Capacitor, Ceramic, 1-uF, 25V, X7R	0805	C2012X7R1E105K	TDK
	C19	1uF	Capacitor, Ceramic, 16V, X7R	0603	C1608X7R1C105M	TDK
	C20	1uF	Capacitor, Ceramic, 16V, X7R	0603	C1608X7R1C105M	TDK
	C21	1uF	Capacitor, Ceramic, 16V, X7R	0603	C1608X7R1C105M	TDK
2	C22	4.7uF	Capacitor Electrolytic, 400V, SMT, Temp -25 to +105 °C, ± 20%	10.3X11mm	EMKB401ADA4R7MJA0G	Nippon Chemicon
	C23	4.7uF	Capacitor Electrolytic, 400V, SMT, Temp -25 to +105 °C, ± 20%	10.3X11mm	EMKB401ADA4R7MJA0G	Nippon Chemicon
1	D1	ZHCS1006TA	Diode, Schottky, 1A, 60V	SOT23	ZHCS1006TA	Zetex
1	D3	US1M	Diode ultrafast 1A, 1000V	SMA	US1M	Diodes
3	D5	BAS16	Diode, Switching, 10-mA, 85-V, 350-mW	SOT23	BAS16	Vishay-Liteon
1	D6	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor
1	D7	RH06-T	Bridge Rectifier, 600Vdc, 0.5A, Glass Passivated, Fast Recover	MiniDIP	RH06-T	Diodes
	D8	BAS16	Diode, Switching, 10-mA, 85-V, 350-mW	SOT23	BAS16	Vishay-Liteon
1	D9	BAT750	Diode, Schottky, 0.75A, 30-V	SOT23	BAT750	Diodes Incorporated
	D10	BAS16	Diode, Switching, 10-mA, 85-V, 350-mW	SOT23	BAS16	Vishay-Liteon
1	J1	ED1515	Terminal Block, 3-pin, 6-A, 3.5mm	0.41 x 0.25	ED1515	OST
2	J2	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED1514	OST
	J3	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED1514	OST
1	Q1	FMMT459	Bipolar, NPN, 450-V, 150-mA, zz-W	SOT23		
1	Q2	STN1NK60ZR	MOSFET, N-ch, xx-V, yy-mA, zz-milliOhms	SOT223	STD	STD
1	Q3	2N7002DICT	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002DICT	Vishay-Liteon
2	R1	24.9k	Resistor, Chip, 1M-Ohms, 1/8-W, yy%	1206	Std	Std
2	R2	1M	Resistor, Chip, 1/10W, yy%	0805	Std	Std
4	R3	100K	Resistor, Chip, 100K-Ohms, 1/8-W, yy%	1206	Std	Std

	R4	100K	Resistor, Chip, 100K-Ohms, 1/8-W, yy%	1206	Std	Std
	R5	24.9K	Resistor, Chip, 1M-Ohms, 1/8-W, yy%	1206	Std	Std
	R6	100K	Resistor, Chip, 100K-Ohms, 1/8-W, yy%	1206	Std	Std
	R7	100K	Resistor, Chip, 100K-Ohms, 1/8-W, yy%	1206	Std	Std
	R8	1M	Resistor, Chip, 1/10W, yy%	0805	Std	Std
1	R9	16.2k	Resistor, Chip, 10k-Ohms, 1/16-W, 1%	0603	Std	Std
1	R10	1.371k	Resistor, Chip, 1M-Ohms, 1/8-W, yy%	1206	Std	Std
1	R11	301k	Resistor, Chip, 10k-Ohms, 1/16-W, 1%	0603	Std	Std
1	R12	0	Resistor, Chip, 10-Ohms, 1/16-W, yy%	0603	Std	Std
1	R13	1K	Resistor, Chip-1K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R14	3.01k	Resistor, Chip, 10k-Ohms, 1/16-W, 1%	0603	Std	Std
1	R15	332	Resistor, Chip, 10k-Ohms, 1/16-W, 1%	0603	Std	Std
1	R16	5.11	Resistor, Chip, 24.9-Ohms, 1/8-W, yy%	1206	Std	Std
1	R17	100	Resistor, Chip, 1/10W, yy%	0805	Std	Std
2	R18	750	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R19	750	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R20	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R21	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R22	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R23	3.24k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R24	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R25	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R26	1M	Resistor, Chip-1K-Ohms, 1/16-W, 1%	0603	Std	Std
	R29	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	G084123LF	Transformer,	0.492 x 0.614 ir	G084123LF	GCI
4	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 ir	5000	Keystone
	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 ir	5000	Keystone
2	TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 ir	5000	Keystone
	TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 ir	5000	Keystone
	TP8	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 ir	5000	Keystone
	TP9	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 ir	5000	Keystone
1	U1	UCC3581D	IC, Micropower Voltage Mode PWM	SOIC14	UCC3581D	TI
1	U2	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay
1	U3	TLV431AIDBZ	IC, Low-Voltage Adjustable Shunt Regulator	SOT23-3	TLV431AIDBZ	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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