Filename: PMP7004REVC_BILLOFMATERIALS_bom.xls

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PMP7004REVC_BILLOFMATERIALS BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	2200pF	Capacitor, Ceramic, 2kV, X7R, 20%	1812	std	AVX
1	C5	100uF	Capacitor, Aluminum, SM, 50-V, FK series	8x10mm	EEVFK1H101P	Panasonic
1	C8	330pF	Capacitor, Ceramic,	0603	C1608C0G2E331K	STD
1	C9	10nF	Capacitor, Ceramic, 250-V, X7R	1206	C3216X7R2E103M	TDK
1	C12	3.3nF	Capacitor, Ceramic,	0603	C1608X7R1H332K	STD
1	C13	22pF	Capacitor, Ceramic,	0603	C1608C0G1H220J	STD
1	C14	10uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	C3225X7R1C106M	TDK
1	C15	1uF	Capacitor, Ceramic, 50V, X7R, 20%	1206	C3216X7R1H105M	TDK
1	C19	330pF	Capacitor, Ceramic,	0603	C1608X7R1H331K	STD
1	C20	4.7nF	Capacitor, Ceramic,	0603	C1608X7R1H472K	STD
3	C10 C16-17	1uF	Capacitor, Ceramic,	0603	C1608X7R1C105M	STD
2	C11 C18	100nF	Capacitor, Ceramic,	0603	C1608X7R1H104K	STD
3	C2-4	2.2uF	Capacitor, Ceramic, 100V, X5R, 20%	1210	C3225X5R2A225M	TDK
2	C6-7	4.7uF	Capacitor, Ceramic, 50V, X5R, 20%	1210	C3225X5R1H475M	TDK
1	D1	6CWQ20	Diode, Dual Schottky, 2x 3-A, 200-V	DPAK	6CWQ20	IRF
1	D6	12V	Diode, Zener, xx-V, 150-mW	SOT-523	BZX84C12LT1	Diodes
4	D2-5	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor
1	J3	PEC04DAAN	Header, Male 2x4-pin, 100mil spacing	0.20 x 0.40 inch	PEC04DAAN	Sullins
2	J1-2		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25""	ED1514	OST
1	L1	250uH	Inductor, SMT, 250uH, 1.5A, 230milliohm	0.940 inch	PE-54035SNL	Pulse
1	Q1	SI2325		SOT-23	SI2325	Vishay
1	Q2	Si4848DY	MOSFET, N-ch, 150V, 3.7A, 85milliohm	SO8	Si4848DY	Vishay
1	Q3	FZT491	Bipolar, NPN, 60-V, 1-A	SOT223	FZT491	Zetex
4	Q4-7	2N7002	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002	Diodes
1	R1	100	Resistor, Chip, 1W, 5%	2512	Std	Std
1	R3	49.9	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R4	0.15	Resistor, Chip, 1/2W, 5%	2010	Std	Std
1	R5	7.5k	Resistor, Chip, 1/10W, 1%	0805	Std	Std

1	R9	10k	Resistor, Chip, 1/10W, 1%	0805	Std	Std
1	R10	221k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	2.15k	Resistor, Chip, 1/16W, 1%	Std	Std	Std
1	R13	3.65k	Resistor, Chip, 1/16W, 0.1%	0603	Std	Std
1	R15	1.74k	Resistor, Chip, 1/16W, 0.1%	0603	Std	Std
1	R17	12.7k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	25.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R19	51.1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R20	102k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R21	11k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R11 R28	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R14 R16	100k	Resistor, Chip, 1/10W, 0.1%	0805	Std	Std
2	R2 R7	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R22-23	90.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
5	R24-27 R29	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R6 R8	20k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	240 uH	Transformer, Forward ±30%	0.860 x 1.150 inch	PH9219NLS MX1	Pulse
1	TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	240-345	Keystone
2	TP1-2	5005	Test Point, Red, Thru Hole Compact Style	0.125 x 0.125 inch	240-345	Keystone
2	TP3-4	5006	Test Point, Black, Thru Hole Compact Style	0.125 x 0.125 inch	240-333	Keystone
2	TP5-6	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	240-333	Keystone
1	U1	H11A817B	IC, Optocoupler, 5300-V, 130-260% CTR	0.435 x 0.210	H11A817B	QT Optoelectronics
1	U2	TL431ADBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431ADBZ	TI
1	U3	UCC2897APW	IC, Current-Mode Active Clamp PWM Controller	PW20		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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