

Filename: PMP5161_REVA_bom.xls

Date: October 8, 2009

PMP5161_REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	220u	Capacitor, Aluminum Electrolytic, 35V	0.315 inch	35ZL221 10X12.5 GRM39yyyxxxKvv	Rubycon
1	C10	220pF	Capacitor, Ceramic, 220pF, 50V, X7R, 10%	0603	vA	muRata
1	C11	.047uF	Capacitor, Ceramic, .047uF, 50V, X7R, 10%	0603	std	muRata
1	C12*	33pF	Capacitor, Ceramic, 50V, [temp], [tol]	603	std	std
1	C13	.01uF	Capacitor, Ceramic, .01-uF, 50V, X7R,	0603	std	muRata
1	C14	1000pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	std	muRata
1	C2	3.3uF	Capacitor, Ceramic, 50V, X7R, 20%	1210	std	TDK
1	C3	220uF	Capacitor, Aluminum Electrolytic, 200V, 2ARMS	18x31.5mm	EEUED2D221	Panasonic
1	C5	0.47uF	Capacitor, Ceramic, 250V, X7R, 20%	1210	Std GRM39X7R104K2	std
1	C6	.1uF	Capacitor, Ceramic, .1uF, 25-V, X7R, 10%	0603	5A	muRata
1	C7	0.1u	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std GRM39yyyxxxKvv	muRata
1	C8	56p	Capacitor, Ceramic, 50V, 56pF, 10%	0603	vA GRM40X7R105K1	muRata
1	C9	1uF	Capacitor, Ceramic, 1-uF, 16-V, X7R	0805	6PT	muRata
1	D1	LQA16T300	Diode, Schottky, 300-V, 6-A	TO-220V	LQA16T300	Qspeed
1	D2	MMBD914	Diode, Zener, xx-V, yy-mA, zz-mW, q%	SOT23	MMBZxxxBLT1	Motorola
1	D3	BAS21	Diode, Switching, 200-mA, 200-V, 330-mW	SOT23	BAS21	Zetex
1	HS3 for Q1	634-10ABP	Heatsink, TO-220 Vertical-mount,	0.500 x 0.50 inch	634-10ABP	Wakefield
2	J1, J2		Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35""	ED1609	OST
1	L1	90uHy	Inductor, T106-8/90 with 46T #20 AWG, 5A	0.06ohms ~1.4 dia inch 0.284 x 0.330	T106-8/90	Micrometals
1	L3	PA1005.050	XFMR, Current Sense	inch	PA1005.050	Pulse
1	Q1	IRFB4620	MOSFET, N-ch, 200-V, 72.5-milliOhms	TO-220V	IRFB4620	IR
1	R10	20k	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R12	102k	Resistor, Chip, 102k, 1/16-W, 1%	0603	Std	Std
1	R100*	100k	Resistor, Chip, 100k, 1/16-W, 1%	0603	Std	Std

1	R13	150K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R14	0	Resistor, Chip, 0-Ohms, 1/10-W, 5%	0805	Std	Std
1	R15	243	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	1.69k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	3.3	Resistor, Chip, 1/2W, 5%	1812	Std	Std
1	R3	10	Resistor, Chip, 10-Ohms, 1/10-W, 5%	0805	Std	Std
1	R4	107k	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R5	82.5K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R6	5.23k	Resistor, Chip, 1/16-W, .1%	0603	Std	Std
1	R7	12	Resistor, Chip, 12-Ohms, 1/10-W, 5%	0805	Std	Std
1	R8	4.7K	Resistor, Chip, 4.7K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R9	10K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
	TP1, TP3, TP4, TP6, TP7, TP8, TP9, TP10,			0.100 x 0.100		
9	TP11	5000	Test Point, Red, Thru Hole Color Keyed	inch	5000	Keystone
				0.100 x 0.100		
2	TP2, TP5	5001	Test Point, Black, Thru Hole Color Keyed	inch	5001	Keystone
			IC, Low-Power BiCMOS Current-mode			
1	U1	UCC2813-0D LM317MQDCY	PWM, Von = 7.2 V	SO8	UCC2813-0D	TI
1	U2	R	IC, 3 Terminal Adjustable Regulator	SOT223	LM317MQDCYR	TI
1	--		PCB, 3 In x 3 In x 0.063 In		PMP1816 REVD	Any

- 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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