

Filename: PMP5152REVA_bom.xls

Date: Oct. 6, 2009

PMP5152REVA BOM

COUNT	RefDes	Value	Description	SIZE	Part Number	MFR
1	C1	1uF	Capacitor, Ceramic, 16-V, X7R, 20%	0603	std	TDK
1	C11	4.7uF	Capacitor, Ceramic, 10-V, X5R, 20%	0603	std	TDK
1	C12	3.3nF	Capacitor, Ceramic, 50V, X7R, 15%	0805	std	TDK
1	C13	68nF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	TDK
	C2, C14, C15, C16,					
7	C17, C19, C22	22uF	Capacitor, Ceramic, 16-V, X7R, 20%	1210	std	TDK
1	C4	0.022uF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	TDK
1	C5	33pF	Capacitor, Ceramic, 50V, NPO, 10%	0603	std	TDK
1	C6	1500pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	TDK
1	C7	220nF	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	TDK
3	C8, C18, C28	100uF	Capacitor, Ceramic, 6.3-V, X5R, 20%	1210	std	TDK
1	L1	1.0uH	Inductor, SMT, 29A, 2.5milliohm	0.51 x 0.51 inch	IHLP5050EZER1R	Vishay
2	Q1, Q2	CSD16321Q5	MOSFET, N-Chan, 25V, 31 A	QFN-8 POWER	CSD16321Q5	TI
2	Q3, Q4	DNP	MOSFET, N-Chan, 25V, 31 A	QFN-8 POWER	CSD16321Q5	TI
1	R1	3.31k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
1	R10	13.3K	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
1	R11	267K	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
1	R2	1k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
1	R3	49.9	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
1	R4	10.0K	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
1	R5	4.7	Resistor, Chip, 1/16W, 5%	0603	CRCW0603-xxx-J	Vishay
1	R6	0.47	Resistor, Chip, 1/2W, 5%	2010	STD	Vishay
1	R7	4.99k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
1	R8	6.34k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
1	U1	TPS40303DRC	IC, 3V-20V sync. Buck controller/Enable Light Load/Fq Spread ;DRC10		TPS40303DRC	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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