

Filename: PMP5140REVA_bom.xls

Date: Sept. 21, 2009

PMP5140REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
4	C1, C2, C3, C105	22uF	Capacitor, Ceramic, 16V, X5R, 20%	1210	Std	Vishay
3	C9, C10, C101	0.1uF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	TDK
1	C102	2200pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	TDK
5	C11, C12, C13, C17, C100	22uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0805	Std	std
1	C14	15pF	Capacitor, Ceramic, NPO, 50V, 10%	0603	Std	std
1	C15	1500pF	Capacitor, Ceramic, X7R, 50V, 15%	0603	Std	std
1	C16	2200pF	Capacitor, Ceramic, X7R, 50V, 15%	0603	Std	std
1	C19	470uF	Capacitor, Aluminum, 16VDC, ±20%	Code F	EEEFK1C471AP	Panasonic
1	C4	470uF	Capacitor, Aluminum, SMT, 6.3V, 10mOhms, 20%	7343(D)	6TPD470M	Sanyo
2	C6, C7	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	Std	TDK
1	C8	1000pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	STD	TDK
1	D2	BAT54HT1G	Diode, Small Signal, 200-mA, 30-V	SOD-323	BAT54HT1G	Fairchild
1	D100	MBRS340T3	Diode, Schottky, 3-A, 40-V	SMC	MBRS340T3	On Semi
3	J1, J2, J3	ED120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	ED120/2DS	OST
1	L1	2.2uH	IND SMT POWER 2.2UH 20% 11.6A	0.400 x 0.453 in	SEP1004K-2R2M-LF	Coilmaster
	sub for L1	2.2uHy	IND SMT POWER 2.2UH 20% 12A	0.400 x 0.453 in	IHLP4040DZ-01	Vishay
3	Q1, Q2, Q100	CSD16323Q3	MOSFET, NChan, 25V, 21A, 5.6 milliOhm	QFN3.3x3.3 mm	CSD16323Q3	TI[Ciclon]
3	R1, R3, R5	0	Resistor, Chip, 1/16W, 5%	0603	Std	Std
1	R10	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R101	10	Resistor, Chip, 1/16W, 5%	0603	Std	Std
1	R102	57.6K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	13.3k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	0.1	Resistor, Chip, 1/16W, 5%	0805	Std	Std
1	R15	6.8	Resistor, Chip, 1/16W, 5%	0603	Std	Std
1	R4	3.65k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R6	1 ohm	Resistor, Chip, 1/16W, 5%	0805	Std	Std
1	R8	15k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R9, R11, R16	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
6	TP3, TP4, TP5, TP8, TP9, TP102	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 in	5000	Keystone
2	TP6, TP101	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 in	5001	Keystone
1	TP7	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 in	5002	Keystone
1	U1	TPS40303DRC	IC, 3V-20V sync. Buck controller/Enable Light Load/Fq Spread	DRC10	TPS40303DRC	TI
1	U101	TPS2412PW	IC, N+1 and Oring Power Rail Controller	TSSOP-14	TPS241xPW	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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