

Filename: PMP5557_REV_A_bom.xls

Date: 07/26/2010

PMP5557_REV_A BOM

COUNT	RefDes	Value	Description	SIZE	Part Number	MFR
1	C1	100pF	Capacitor, Ceramic, 50V, NPO, [tol]	0603	std	std
1	C2	150nF	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std
1	C3	150p	Capacitor, Ceramic, 50V, NPO, [tol]	0603	std	std
1	C4	5.6nF	Capacitor, Ceramic, 50V, X7R [tol]	0603	std	std
1	C5	0.1u	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std
1	C7	1u	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std
1	C8	100uF	Capacitor, Aluminum, 50VDC, ±20%	Code D8	EEEFK1H101P	Panasonic
1	C9	100p	Capacitor, Ceramic, 50V, NPO, [tol]	0603	std	std
1	C11	1uF	Capacitor, Ceramic, 16V, [temp], [tol]	0805	GRM40yyyxxxKvv	muRata
1	C12	DNP			Std	Std
1	C13	100uF	Capacitor, Aluminum, 25VDC, ±20%	Code D8	EEEFKE101XAP	Panasonic
1	C15	4.7uF	Capacitor, Ceramic, 50V	1210	Std	Std
1	D1	B160	Diode, Rectifier, xx-mA, yy-V	SMA	STD	STD
2	J1	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
	J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
1	L2	180uH	Inductor, SMT, yyA, zzmiliohm	0.484 x 0.484 ir	MSD1278 -xxxxL	Coilcraft
1	L4	0	Inductor, SMT, yyA, zzmiliohm	0.200 x 0.200 ir	MSS5131-xxxMX_	Coilcraft
1	Q1	Si3458BDV	MOSFET, N-ch, 60-V,3.2-A, 100-milliOhms	TSOP-6	Si3458DV	Vishay
1	R1	402k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R2	150k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R3	4.75k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R5	49.9k	Resistor, Chip, 1/16W, 1%	0603	std	std
3	R6	0	Resistor, Chip, 1/16W, 1%	0603	std	std
	R7	0	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R9	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R10	1k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R11	0.1	Resistor, Chip, 1W, 1%	2512	WSL-2512-xx 1% F	STD
1	R14	0	Resistor, Chip, 1W, xx%	2512	WSL-2512-xx 1% F	STD
	R15	0	Resistor, Chip, 1/16W, 1%	0603	std	std
3	TP1	5011	Test Point, Black, Thru Hole	0.125 x 0.125 ir	5011	Keystone

2	TP2	5010	Test Point, Red, Thru Hole	0.125 x 0.125 ir 5010	Keystone
1	TP4	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 ir 5002	Keystone
1	TP5	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 ir 5002	Keystone
1	TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 ir 5000	Keystone
	TP8	5011	Test Point, Black, Thru Hole	0.125 x 0.125 ir 5011	Keystone
	TP10	5010	Test Point, Red, Thru Hole	0.125 x 0.125 ir 5010	Keystone
	TP11	5011	Test Point, Black, Thru Hole	0.125 x 0.125 ir 5011	Keystone
1	U1	TPS40210DGS	IC, Low Cost Non-Synchronous Boost Controller	DGS10 TPS40210DGS	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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