

Filename: PMP5713RevA - BoM.xls

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## PMP5713RevA - Bill of Material

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C2	4.7uF	Capacitor, Ceramic, 25V, X7R, 15%	1210	Std	Std
1	C3	4.7uF	Capacitor, Ceramic, 25V, X7R, 15%	1210	Std	Std
1	C4	4.7uF	Capacitor, Ceramic, 25V, X7R, 15%	1210	Std	Std
1	C5	4.7uF	Capacitor, Ceramic, 25V, X7R, 15%	1210	Std	Std
1	C6	4.7uF	Capacitor, Ceramic, 25V, X7R, 15%	1210	Std	Std
1	C7	4.7uF	Capacitor, Ceramic, 25V, X7R, 15%	1210	Std	Std
1	C8	100pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
1	C9	100nF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
1	C10	10nF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
1	C11	1uF	Capacitor, Ceramic, 16V, X7R, 15%	603	Std	Std
1	C12	tbd	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
1	C13	100pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
1	C14	open	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
1	C15	68nF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
1	C16	1nF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
1	C17	open	Capacitor, Ceramic, 25V, X7R, 15%	603	Std	Std
1	C101	2.2nF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
1	C102	1uF	Capacitor, Ceramic, 16V, X7R, 15%	603	Std	Std
1	C103	2.2nF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
1	D1	MBRS340T3	Diode, Schottky, 3.0A, 40V	SMC	MBRS340T3	ON Semiconductor
1	D2	BAS40	Diode, Schottky, 70mA, 40V	SOT23	BAS40	Vishay
1	D3	5.1V	Diode, Zener, 5.1V, 225mW, 5%	SOT23	BZX84C5V1E	ON Semiconductor
1	D4	5.1V	Diode, Zener, 5.1V, 225mW, 5%	SOT23	BZX84C5V1E	ON Semiconductor
1	J1	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	J2	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	J3	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	PEC02SAAN	Sullins
1	J4	PEC02SAAN	Header, Male 2-pin, 100mil spacing	0.100 inch x 2	PEC02SAAN	Sullins
1	L1	33uH	Inductor, SMT, 45mOhm, 4.2A rms, 5.5A sat, 20%	12.00 x 12.00 mm	7447709330	WE
1	Q1	SQJ848EP	MOSFET, NChan, 40V, 40A, 11mOhm	PWRPAK S0-8	SQJ848EP	Vishay
1	Q2	2N7002K	MOSFET, N-ch, 60V, 300mA, 2 Ohm	SOT23	2N7002K	Vishay
1	Q3	2N7002K	MOSFET, N-ch, 60V, 300mA, 2 Ohm	SOT23	2N7002K	Vishay
1	Q4	MMBT2907	Transistor, PNP, -60V, -600mA, 225W	SOT23	MMBT2907	OnSemi
1	R1	0.033	Resistor, Chip, 1/4W, 1%	1206	Std	Std

1	R2	475k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R3	10	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R4	100k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R5	0	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R6	tbd	Resistor, Chip, 1/4W, 1%	1206	Std	Std
1	R7	1.00k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R8	100k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R9	20m	Resistor, Chip, 1/4W, 1%	1210	Std	Std
1	R10	10.0k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R11	open	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R12	47.5k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R13	10.5k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R14	10.0k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R15	10.0k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R16	49.9	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R17	open	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R18	open	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R19	12.4k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R20	5.62k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R101	20.0k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R102	20.0k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R103	1.00k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R104	1.00k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R105	10	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R106	10.0k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP2	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	TP3	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	TP4	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP8	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U2	TPS40210-Q1	IC, 4.5V-52V I/P, Current Mode Boost Controller	DGQ10	TPS40210QDGQRQ1	Texas Instruments
1	U101	OPA171	IC, Op Amp, general-purpose	SO8		Texas Instruments

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