

Filename: PMP7966_REVA_BOM.xls

Variant: None

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PMP7966_REVA

Designator	Description	Manufacturer	PartNumber	Quantity
AA1	Printed Circuit Board	Any	PRJ_Number	1
C1, C19, C33, C50	CAP, AL, 680uF, 63V, +/-20%, TH	United Chemi-Con	EGPA630ELL681ML25S	4
C3, C4, C5, C6, C21, C22, C23, C24, C35, C36, C37, C38, C52, C53, C54, C55	CAP, CERM, 4.7uF, 50V, +/-10%, X7R, 1206	MuRata	GRM31CR71H475KA12L	16
C7, C25, C39, C56	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	MuRata	GRM32ER72A225KA35L	4
C9, C27, C41, C58	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	MuRata	GRM1885C1H101JA01D	4
C10, C28, C43, C59	CAP, CERM, 0.47uF, 25V, +/-10%, X7R, 0603	MuRata	GRM188R71E474KA12D	4
C11, C29, C44, C60	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	MuRata	GRM188R71E105KA12D	4
C12, C30, C45, C46	CAP, CERM, 470pF, 100V, +/-5%, C0G/NP0, 0805	MuRata	GRM2165C2A471JA01D	4
C13	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	MuRata	GRM188R71C105KA12D	1
C14	CAP, CERM, 0.047uF, 25V, +/-10%, X7R, 0603	MuRata	GRM188R71E473KA01D	1
C15, C17, C48, C61, D1, D2, D3, D5	RES, 0 ohm, 5%, 0.125W, 0805	Vishay-Dale	CRCW08050000Z0EA	8
C16, C42	CAP, CERM, 1000pF, 50V, +/-5%, C0G/NP0, 0603	TDK	C1608C0G1H102J	2
C18	CAP, CERM, 0.22uF, 16V, +/-10%, X7R, 0603	TDK	C1608X7R1C224K	1
C31, C47, C49	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603	MuRata	GRM188R71E104KA01D	3
C32	CAP, CERM, 2.2uF, 16V, +/-10%, X5R, 0603	MuRata	GRM188R61C225KE15D	1
C62	CAP, AL, 100uF, 63V, +/-20%, 0.35 ohm, SMD	Panasonic	EEE-FK1J101P	1
FID1, FID2, FID3, FID4, FID5, FID6	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	6
H1, H2, H3, H4	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	B&F Fastener Supply	NY PMS 440 0025 PH	4
IN1, OUT1, Sync In 1, Sync In 2, Sync In 3, Sync In 4	Test Point, TH, Compact, White	Keystone	5007	6
J1, J2	Terminal 50A Lug	Panduit	CB35-36-CY	2
J3, J4, J5, J6	Standard Banana Jack, Uninsulated, 8.9mm	Keystone	575-8	4
L1, L2, L3, L4	Inductor, Shielded Drum Core, WE-HCI 82uH, 7A, 0.0304 ohm, SMD	Würth Elektronik eiSos	7443551130	4
Q1, Q3, Q5, Q7	Diode, Ultrafast, 200V, 3A, SMC	Diodes, Inc.	MURS320-13-F	4
Q2, Q4, Q6, Q8	MOSFET, N-CH, 150V, 50A, PG-TDSON-8	Infineon Technologies	BSC190N15NS3 G	4
R1, R20, R31, R44	RES, 0.01 ohm, 1%, 1W, 2512	Vishay-Dale	WSL2512R0100FEA	4

Designator	Description	Manufacturer	PartNumber	Quantity
R2, R4, R21, R22, R32, R33, R45, R46	RES, 100 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100RFKEA	8
R6	RES, 10.7k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060310K7FKEA	1
R7, R25, R36, R49	RES, 3.3 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06033R30JNEA	4
R8	RES, 2.67k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06032K67FKEA	1
R9, R10, R27, R28, R39, R41, R51, R52	RES, 0 ohm, 5%, 0.1W, 0603	Panasonic	ERJ-3GEY0R00V	8
R12, R30, R43, R54, R57	RES, 100k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100KFKEA	5
R15	RES, 51k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060351K0JNEA	1
R16	RES, 1.21k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031K21FKEA	1
R17	RES, 51.1k ohm, 1%, 0.125W, 0805	Vishay-Dale	CRCW080551K1FKEA	1
R18	RES, 20 ohm, 5%, 0.125W, 0805	Vishay-Dale	CRCW080520R0JNEA	1
R24, R38	RES, 10.0k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060310K0FKEA	2
R26	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA	1
R35	RES, 18.0k ohm, 0.1%, 0.1W, 0603	Yageo America	RT0603BRD0718KL	1
R37	RES, 499 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603499RFKEA	1
R40	RES, 1.50k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031K50FKEA	1
R48, R50, R55, R56	RESISTOR 7.5 OHM 3/4W 5% 2010	Panasonic	ERJ-12ZYJ7R5U	4
R58	RES, 158k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603158KFKEA	1
SW1, SW2, SW3, SW4	Test Point, TH, Miniature, White	Keystone	5002	4
U1, U3, U4, U7		TI	LM5122MH	4
U5	IC OSC MONO TIMING 3MHZ 8-SOIC	National Semiconductor	LMC555CMX	1
U6	IC 10-OUT DECADE COUNTER 16-SOIC		CD4017BM96	1
U8	Series of Adjustable Micropower Voltage Regulators, 8-pin LLP	National Semiconductor	LP2951CSD	1
Vin Gnd, Vout Gnd	Test Point, TH, Miniature, Black	Keystone	5001	2
Vin, Vout	Test Point, TH, Miniature, Red	Keystone	5000	2

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