Filename: PMP10610-BOM.xlsx

Variant: None

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TID #: PMP10610

PMP10610 REV 3 Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1 '		PMP10610	Any	Printed Circuit Board	
2	C1	1	22uF	EEE-FK1H220P	Panasonic	CAP, AL, 22 μF, 50 V, +/- 20%, 0.88 ohm, SMD	SMT Radial D
3	C2, C5, C8, C9	4	0.1uF	C1608X7R1H104K	TDK	CAP, CERM, 0.1 μF, 50 V, +/- 10%, X7R, 0603, CAP, CERM, 0.1 μF, 50	0603
	1	1	1			V, +/- 10%, X7R, 0603, CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603,	
	1	1	1			CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	
4	C3, C4, C6			GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 µF, 50 V, +/- 10%, X7R, 1210	1210
5	C7	1	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7uF, 50V, +/-10%, X7R, 1206	1206
6	C10			C1608C0G1E392J	TDK	CAP, CERM, 3900 pF, 25 V, +/- 5%, C0G/NP0, 0603	0603
7	C11, C12, C13	3	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 μF, 25 V, +/- 10%, X7R, 1210	1210
8	C14	1	1uF	C1608X7R1C105K	TDK	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	0603
9	C15	1	620pF	GRM1885C1E621JA01D	MuRata	CAP, CERM, 620 pF, 25 V, +/- 5%, C0G/NP0, 0603	0603
10	D1	1	4.3V	BZT52C4V3T-7	Diodes Inc.	Diode, Zener, 4.3 V, 300 mW, SOD-523	SOD-523
11	D2	1	40V	B340LA-13-F	Diodes Inc.	Diode, Schottky, 40 V, 3 A, SMA	SMA
12	FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
13	GND1, GND2,	6	Double	1502-2	Keystone	Terminal, Turret, TH, Double	Keystone1502-2
<u></u>	IN+, IN-, VIN, VO	1'	1			<u></u>	
14	H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
15	H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
16	L1	1	10uH		Coilcraft	Coupled inductor, 10 µH, 3.6 A, 58mohm, +/- 20%, SMD	Inductor,
							12.3x8.05x12.3
17	LCC1	1	5uH	744273501	Wurth Elektronik eiSos	Coupled inductor, 5 µH, A, 0.0055 ohm, SMD	SMD, 4-Leads, Body
.	1	1	1				9.5x8.3mm
18	LF1	1	2.2uH	74408943022	Wurth Elektronik eiSos	Inductor, Shielded Drum Core, Ferrite, 2.2uH, 3A, 0.026 ohm, SMD	4.8x3.8x4.8mm
19	Q1	1	100V	BSZ160N10NS3 G	Infineon Technologies	MOSFET, N-CH, 100 V, 28 A, PG-TSDSON-8	PG-TSDSON-8
20	R1	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100k ohm, 1%, 0.1W, 0603	0603
21	R2, R7	2	4.99	CRCW06034R99FKEA	Vishay-Dale	RES, 4.99 ohm, 1%, 0.1W, 0603	0603
22	R3	1	52.3k	CRCW060352K3FKEA	Vishay-Dale	RES, 52.3 k, 1%, 0.1 W, 0603	0603
23	R4	1	84.5k	CRCW060384K5FKEA	Vishay-Dale	RES, 84.5 k, 1%, 0.1 W, 0603	0603
24	R5	1	24.9	CRCW060324R9FKEA	Vishay-Dale	RES, 24.9, 1%, 0.1 W, 0603	0603
25	R6	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
26	R8	1	1.21k	CRCW06031K21FKEA	Vishay-Dale	RES, 1.21 k, 1%, 0.1 W, 0603	0603
27	R9	1 '	39.2k	CRCW060339K2FKEA	Vishay-Dale	RES, 39.2 k, 1%, 0.1 W, 0603	0603
28	R10	1	0.02	PRL1632-R020-F-T1	Susumu Co Ltd	RES, 0.02, 1%, 1 W, 0612	0612
29	U1	1		LM3481MM/NOPB	Texas Instruments	High Efficiency Low-Side N-Channel Controller for Switching Regulators, 10-pin MSOP, Pb-Free	MUB10A

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