

Variant: 001
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PMP9766 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB	1		PMP9766	Any	Printed Circuit Board	
2	C1, C2	2	3000000uF	ESH5R-0003C0-002R7	NESSCAP	CAP, Electric Double Layer, 3000000 µF, 2.7 V, +20/-10%, 0.061 ohm, TH	TH, 2-Leads, 8mm Dia, 20mm Height
3	C3, C4	2	10uF	GRM188R61E106MA73	MuRata	CAP, CERM, 10 µF, 25 V, +/- 20%, X5R, 0603	0603
4	C5, C6	2	47uF	GRM21BR61A476ME15	MuRata	CAP, CERM, 47 µF, 10 V, +/- 20%, X5R, 0805	0805
5	C7, C9	2	1uF	C1608X5R1E105K080AC	TDK	CAP, CERM, 1 µF, 25 V, +/- 10%, X5R, 0603	0603
6	C8, C12	2	0.1uF	GRM188R61C104KA01D	MuRata	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X5R, 0603	0603
7	C10, C11	2	22uF	GRM188R61A226ME15D	MuRata	CAP, CERM, 22 µF, 10 V, +/- 20%, X5R, 0603	0603
8	D1	1	50V	B150-13-F	Diodes Inc.	Diode, Schottky, 50 V, 1 A, SMA	SMA
9	J1, J2	2		TSW-106-07-G-S	Samtec	Header, 100mil, 6x1, Gold, TH	6x1 Header
10	L1	1	1uH	XFL4020-102MEB	Coilcraft	Inductor, Shielded, Composite, 1uH, 5.4A, 0.01 ohm, SMD	4x2x4mm
11	Q1	1	60V	2N7002KW	Fairchild Semiconductor	MOSFET, N-CH, 60 V, 0.31 A, SOT-323	SOT-323
12	R1	1	10	CRCW251210R0JNEG	Vishay-Dale	RES, 10, 5%, 1 W, 2512	2512
13	R2	1	1.00Meg	CRCW06031M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.1 W, 0603	0603
14	R3	1	243k	CRCW0603243KFKEA	Vishay-Dale	RES, 243 k, 1%, 0.1 W, 0603	0603
15	R4	1	390k	CRCW0603390KJNEA	Vishay-Dale	RES, 390 k, 5%, 0.1 W, 0603	0603
16	R5	1	75.0k	CRCW060375K0FKEA	Vishay-Dale	RES, 75.0 k, 1%, 0.1 W, 0603	0603
17	R6, R7, R9	3	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
18	R8	1	24.9k	CRCW060324K9FKEA	Vishay-Dale	RES, 24.9 k, 1%, 0.1 W, 0603	0603
19	U1	1		TPS63020DSJ	Texas Instruments	HIGH EFFICIENCY SINGLE INDUCTOR BUCK-BOOST CONVERTER WITH 4-A SWITCHES, DSJ0014A	DSJ0014A
20	U2	1		TPS25940ARVC	Texas Instruments	2.7V-18V eFuse with True Reverse Blocking and DevSleep Support for SSDs, RVC0020A	RVC0020A
21	U3	1		LP2998MR/NOPB	Texas Instruments	DDR-I and DDR-II Termination Regulator, 8-pin PSOP, Pb-Free	MRA08A
22	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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