

Filename: PMP11757RevC - BoM.xls
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PMP11757 REV C Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1_1, C1_2, C2_1, C2_2, C11, C19, C20, C101	8	22uF	GRM31CR71A226KE15L	MuRata	CAP, CERM, 22 μ F, 10 V, +/- 10%, X7R, 1206	1206
2	C3_1, C3_2	2	33pF	GRM1885C1H330JA01D	MuRata	CAP, CERM, 33 pF, 50 V, +/- 5%, COG/NP0, 0603	0603
3	C4_1, C4_2, C5_1, C5_2, C6_1, C6_2, C7_1, C7_2	8	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 μ F, 25 V, +/- 10%, X7R, 0603	0603
4	C8, C9, C17, C18	4	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7 μ F, 50 V, +/- 10%, X7R, 1206	1206
5	C10, C16	2	0.47uF	GRM188R71E474KA12D	MuRata	CAP, CERM, 0.47 μ F, 25 V, +/- 10%, X7R, 0603	0603
6	C13, C22	2	4.7uF	GRM21BR71A475KA73L	MuRata	CAP, CERM, 4.7 μ F, 10 V, +/- 10%, X7R, 0805	0805
7	C14	1	10pF	GRM1885C1H100JA01D	MuRata	CAP, CERM, 10 pF, 50 V, +/- 5%, COG/NP0, 0603	0603
8	C15	1	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0603	0603
9	C21	1	56pF	GRM1885C1H560JA01D	MuRata	CAP, CERM, 56 pF, 50 V, +/- 5%, COG/NP0, 0603	0603
10	FID1, FID2, FID3, FID4	4		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
11	J1_1, J1_2, J3_1, J3_2, J4_1, J4_2, J5_1, J5_2, J6_1, J6_2, J10, J13	12		61300211121	Würth Elektronik	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
12	J2_1, J2_2, J7_1, J7_2, J8_1, J8_2, J11	7		61300311121	Würth Elektronik	Header, 2.54 mm, 3x1, Gold, TH	Header, 2.54mm, 3x1, TH
13	J9, J12	2		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
14	L1_1, L1_2	2	6.8uH	LPS4012-682MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 6.8 μ H, 0.98 A, 0.34 ohm, SMD	LPS4012
15	L2, L3	2	2.2uH	XAL4020-222MEB	Coilcraft	Inductor, Shielded, Composite, 2.2 μ H, 5.5 A, 0.04 ohm, SMD	4x2.1x4mm
16	R1_1, R1_2, R5, R10	4	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
17	R2_1, R2_2, R6, R11	4	200k	CRCW0603200KFKEA	Vishay-Dale	RES, 200 k, 1%, 0.1 W, 0603	0603
18	R3_1, R3_2	2	22.1k	CRCW060322K1FKEA	Vishay-Dale	RES, 22.1 k, 1%, 0.1 W, 0603	0603
19	R4, R9	2	0	CRCW0603000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
20	R7	1	3.01	CRCW06033R01FKEA	Vishay-Dale	RES, 3.01, 1%, 0.1 W, 0603	0603
21	R8, R12	2	86.6k	CRCW060386K6FKEA	Vishay-Dale	RES, 86.6 k, 1%, 0.1 W, 0603	0603
22	TP1_1, TP1_2, TP3, TP4, TP7, TP8	6	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
23	TP2_1, TP2_2, TP5, TP6, TP9, TP10	6	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
24	U1_1, U1_2	2		TPS61071-Q1	Texas Instruments	90% Efficient Synchronous Boost Converter with 600-mA Switch, DDC0006A	DDC0006A
25	U2_1, U2_2	2		TLV71310-Q1	Texas Instruments	Capacitor-Free, 150-mA, Low-Dropout Regulator with Foldback Current Limit for Portable Devices, DBV0005A	DBV0005A
26	U3_1, U3_2	2		TLV71325-Q1	Texas Instruments	Capacitor-Free, 150-mA, Low-Dropout Regulator with Foldback Current Limit for Portable Devices, DBV0005A	DBV0005A
27	U4	1		LM53602AQPWPRQ1	Texas Instruments	5 V/3.3 V/ADJ, 2 A/3 A, Buck Regulator For Automotive Applications, PWP0016H	PWP0016H
28	U5	1		LMR23625C-Q1	Texas Instruments	SIMPLE SWITCHER 36V 2.5 A Synchronous Step-Down Converter, DDA0008E	DDA0008E

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