

PMP30930 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	0.22uF	GCM155R71C224KE02D	MuRata	CAP, CERM, 0.22 μ F, 16 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
C2, C3, C14, C15, C21, C22, C29, C30, C46, C47, C53, C54	12	2.2uF	CGA4J3X7R1H225K125AB	TDK	CAP, CERM, 2.2 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	805
C4, C5, C57, C63	4	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 μ F, 25 V,+/- 10%, X7R, 1210	1210
C6, C8, C16, C17, C23, C24, C31, C32, C48, C49, C55, C56	12	0.027uF	06035C273K4T2A	AVX	CAP, CERM, 0.027 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
C7, C65	2	1uF	GCM188R71E105KA64D	MuRata	CAP, CERM, 1 μ F, 25 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
C9, C64	2	1000pF	GRM188R71H102KA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	603
C10, C62	2	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 μ F, 25 V,+/- 10%, X7R, 0603	603
C11, C12, C18, C19, C25, C28, C33, C36, C50, C51, C59, C60	12	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, 1210	1210
C13, C20, C52, C61	4	0.47uF	CGA3E3X7R1H474K080AE	TDK	CAP, CERM, 0.47 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
C26, C27, C34, C35, C43, C44, C58	7	0.1uF	CGA2B3X7R1H104K050BB	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
C37	1	0.1uF	C0402C104K4RACAUTO	Kemet	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
C38, C39, C40	3	47uF	GCM32ER70J476KE19L	MuRata	CAP, CERM, 47 uF, 6.3 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1210	1210
C41	1	33pF	C0402C330J5GACAUTO	Kemet	CAP, CERM, 33 pF, 50 V,+/- 5%, C0G, AEC-Q200 Grade 1, 0402	402
C42	1	1uF	GCM188R71C105KA64D	MuRata	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
C45	1	0.22uF	GCM188R71H224KA64D	MuRata	CAP, CERM, 0.22 μ F, 50 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
J1, J2, J3, J4, J5, J6	6		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
L1, L9	2		XGL4020-222MEC	Coilcraft	Shielded Power Inductors	SMT_4MM0_4MM0
L2	1		XEL5030-222MEB	Coilcraft	Shielded Power Inductor XEL5030	SMT_INDUCTOR_5M M28_5MM48
L3, L7	2		XGL4020-471MEC	Coilcraft	Shielded Power Inductors	SMT_4MM0_4MM0
L4	1	4.7uH	XAL6060-472MEB	Coilcraft	Inductor, Shielded, Composite, 4.7 uH, 10.5 A, 0.015 ohm, SMD	IND_6.4x6.1x6.6
L5, L6, L8	3	600 ohm	FBMH3225HM601NT	Taiyo Yuden	Ferrite Bead, 600 ohm @ 100 MHz, 3 A, 1210	1210
R1	1	44.2k	CRCW040244K2FKED	Vishay-Dale	RES, 44.2 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R2	1	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R3	1	100k	RMCF0402FT100K	Stackpole Electronics Inc	RES, 100 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R4	1	39.2k	CRCW040239K2FKED	Vishay-Dale	RES, 39.2 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R5	1	24.9k	CRCW040224K9FKED	Vishay-Dale	RES, 24.9 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R6	1	0	CRCW04020000Z0EDHP	Vishay-Dale	RES, 0, 0%, 0.2 W, AEC-Q200 Grade 0, 0402	402
R7, R16	2	2	CRCW08052R00FKEAHP	Vishay-Dale	RES, 2.00, 1%, 0.5 W, AEC-Q200 Grade 0, 0805	805

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R8, R11, R14, R15	4	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	402
R9, R12	2	4.7	CRCW06034R70JNEA	Vishay-Dale	RES, 4.7, 5%, 0.1 W, 0603	603
R10, R13	2	51.1k	CRCW040251K1FKED	Vishay-Dale	RES, 51.1 k, 1%, 0.063 W, 0402	402
TP1, TP2, TP4, TP6, TP10, TP11	6		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP3, TP5, TP8, TP9, TP12, TP13	6		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP7	1		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
U1	1			Texas Instruments	3.5-V to 36-V, 1.5-A, and 2.5-A Automotive Step-down Voltage Converter	WSON12
U2	1		LM61460AANQRJRTQ1	Texas Instruments	Automotive 6-A Low Noise Synchronous Buck Regulators, RJR0014A (VQFN-HR-14)	RJR0014A
U3	1		LM63625DQPWPTQ1	Texas Instruments	3.5-V to 36-V, 2.5-A Synchronous Step-Down Voltage Regulator with Spread Spectrum, PWP0016D (TSSOP-16)	PWP0016K

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