

PMP30338 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C13	2	1uF	GRM21BR71C105MA01L	MuRata	CAP, CERM, 1 uF, 16 V, +/- 20%, X7R, 0805	0805
C2, C14	2	0.47uF	GRM188R71C474KA88D	MuRata	CAP, CERM, 0.47 uF, 16 V, +/- 10%, X7R, 0603	0603
C3, C4, C15, C16	4	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X7R, 1206	1206
C5, C6, C17, C18	4	22uF	GRM32ER71A226ME20L	MuRata	CAP, CERM, 22 uF, 10 V, +/- 10%, X7R, 1210	1210
C7, C19	2	10uF	GRM21BR71A106ME51L	MuRata	CAP, CERM, 10 uF, 10 V, +/- 20%, X7R, 0805	0805
C8, C11, C12	3	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
C9	1	2.2uF	GRM219R71C225KE15	MuRata	CAP, CERM, 2.2 uF, 16 V, +/- 10%, X7R, 0805	0805
C10	1	10uF	GRM32ER71H106MA12	MuRata	CAP, CERM, 10 uF, 50 V, +/- 20%, X7R, 1210	1210
D1	1	36V	SM6T42CAY	STMicroelectronics	Diode, TVS, Bi, 36 V, 76 Vc, AEC-Q101, SMB	SMB
J1, J5	2		632723300011	Würth Elektronik	Connector, Receptacle, USB Type C, R/A	Connector, Receptacle, USB Type C, R/A, THT/SMT
J2, J3, J6, J7	4		800-10-003-10-001000	Mill-Max	Header, 100mil, 3x1, TH	Header, 3x1, 100mil, TH
J4	1		691 101 710 002	Würth Elektronik	Terminal Block, 5 mm, 2x1, Tin, TH	Terminal Block, 5 mm, 2x1, TH
J8	1		99S20D-40MA5-D	Rosenberger	RF Coaxial Connector, Bordeaux, R/A, TH	Right Angle Plug for PCB, 6-Lead, TH
L1, L3	2	10uH	XAL5050-103MEB	Coilcraft	Inductor, Shielded, Composite, 10 uH, 4.9 A, 0.05 ohm, SMD	XAL5050
L2	1	1.2uH	XAL5030-122MEB	Coilcraft	Inductor, Shielded, Composite, 1.2 uH, 11.1 A, 0.01 ohm, SMD	5.3x31.x5.5mm
Q1, Q3	2	40V	BUK9K8R7-40E,115	Nexperia	MOSFET, 2-CH, N-CH, 40 V, 30 A, AEC-Q101, SOT1205	SOT1205
Q2	1	40V	SQJ412EP-T1-GE3	Vishay-Siliconix	MOSFET, N-CH, 40 V, 32 A, PowerPAK_SO-8L	PowerPAK_SO-8L
R1, R10	2	0.015	CSR1206FK15L0	Stackpole Electronics Inc	RES, 0.015, 1%, 0.5 W, 1206	1206
R2, R11	2	300	CRCW0603300RJNEA	Vishay-Dale	RES, 300, 5%, 0.1 W, 0603	0603
R3, R12	2	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R4, R9, R13, R18	0	0	RC1206JR-070RL	Yageo America	RES, 0, 5%, 0.25 W, 1206	1206
R5, R14	2	28.7k	CRCW060328K7FKEA	Vishay-Dale	RES, 28.7 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R6, R15	2	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R7, R16	2	6.04k	CRCW06036K04FKEA	Vishay-Dale	RES, 6.04 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R8, R17	2	5.62k	CRCW06035K62FKEA	Vishay-Dale	RES, 5.62 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
TP1, TP2, TP3, TP4, TP5, TP6	6		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
U1, U3	2		TPS25830QWRHBTQ1	Texas Instruments	USB Type-C and BC1.2 5V 3.5A Output, 36V Input Synchronous Buck with Cable Compensation, RHB0032R (VQFN-32)	RHB0032R
U2	1		LM74610QDGKRQ1	Texas Instruments	Zero Iq Reverse Polarity Protection Smart Diode Controller, DGK0008A (VSSOP-8)	DGK0008A

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