

PMP21404 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C3	2	56uF	LLS2W560MELY	Nichicon	CAP, AL, 56 uF, 450 V, +/- 20%, TH	D20xL27mm
C2	1	0.1uF	CGA6L1X7T2J104K160AC	TDK	CAP, CERM, 0.1 uF, 630 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1210	1210
C4	1				CAP, AL, DNP	D20xL27mm
C5	1				CAP, CERM, DNP	1210
C6	1	0.1uF	C0603C104K5RACAUTO	Kemet	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C7	1	1uF	CGA3E1X7R1C105K080AC	TDK	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C8	1				CAP, CERM, DNP	1206
C9, C10	2	1uF	CGA4J3X7R1H105K125AB	TDK	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
C11	1	470pF	GRM188R71H471KA01D	MuRata	CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, 0603	0603
C12	1	0.47uF	CGA3E3X7R1H474K080AB	TDK	CAP, CERM, 0.47 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C13	1	1000pF	GRM188R71H102JA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 5%, X7R, 0603	0603
D1	1	600V	STTH3L06U	STMicroelectronics	Diode, Ultrafast, 600 V, 3 A, SMB	SMB
D2	1	600V	C3D03060A	Cree	Diode, Schottky, 600 V, 11 A, AEC-Q101, TH	TO-220-2
J1, J2, J3	3		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
L1	1	560uH	PCV-2-564-02L	Coilcraft	Inductor, 560 uH, 2.6 A, 0.270 ohm, TH	800x900mil
Q1	1	600V	IPP60R299CPXKSA1	Infineon Technologies	MOSFET, N-CH, 600 V, 11 A, TO-220AB	TO-220AB
R1, R2, R4, R15, R16, R17	6	150k	CRCW1206150KFKEA	Vishay-Dale	RES, 150 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R3	1	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R5	1	3.3	CRCW06033R30JNEA	Vishay-Dale	RES, 3.3, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R6	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R7	1				RES, DNP, 1206	1206
R8	1	2.61k	RG1608P-2611-B-T5	Susumu Co Ltd	RES, 2.61 k, 0.1%, 0.1 W, 0603	0603
R9	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R10	1	221	CRCW0603221RFKEA	Vishay-Dale	RES, 221, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R11	1	4.59k	RT0603BRD074K59L	Yageo America	RES, 4.59 k, 0.1%, 0.1 W, 0603	0603
R12	1	169k	CRCW0603169KFKEA	Vishay-Dale	RES, 169 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R13, R19	2	0	RMCF0603ZT0R00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R14	1	0.015	WSLP1206R0150FEA	Vishay-Dale	RES, 0.015, 1%, 1 W, 1206	1206
R18	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
TP1, TP2, TP3, TP6, TP9	5		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP4, TP5, TP7, TP8	4		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC27517AQBVRQ1	Texas Instruments	4A/4A Single Channel High-speed Low-side Gate Driver, DBV0005A (SOT-23-5)	DBV0005A
U2	1		LM3481QMM/NOPB	Texas Instruments	High Efficiency Low-Side N-Channel Controller for Switching Regulators, AEC-Q100 Grade 1, 10-pin Mini SOIC, 1000 Reel	DGS0010A

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