

PMP40041 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C16, C24	3	0.047uF	GRM155R71E473KA88D	MuRata	CAP, CERM, 0.047uF, 25V, +/-10%, X7R, 0402	0402
C2, C3, C4, C5, C6	5	47uF	C3216X7S0J476M160AC	TDK	CAP, CERM, 47 µF, 6.3 V, +/- 20%, X7S, 1206	1206
C7, C8, C21, C22, C27, C30	6	22pF	GRM1555C1H220JA01D	MuRata	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C9, C10, C11, C12	4	10uF	C1206C106K3RACTU	Kemet	CAP, CERM, 10 µF, 25 V, +/- 10%, X7R, 1206_190	1206L
C13, C14, C17	3	1uF	C1005JB1V105K050BC	TDK	CAP, CERM, 1 µF, 35 V, +/- 10%, JB, 0402	0402
C15, C23, C29	3	2700pF	GRM155R71H272KA01D	MuRata	CAP, CERM, 2700 pF, 50 V, +/- 10%, X7R, 0402	0402
C18, C19, C20, C25, C26	5	22uF	GRM31CR70J226KE19L	MuRata	CAP, CERM, 22 µF, 6.3 V, +/- 10%, X7R, 1206	1206
C28, C52	2	0.01uF	GRM155R71E103KA01D	MuRata	CAP, CERM, 0.01 µF, 25 V, +/- 10%, X7R, 0402	0402
C34, C40, C51	3	330uF	875105144010	Würth	CAP, Aluminum Polymer, 330 µF, 6.3 V, +/- 20%, 0.017 ohm, F61 SMD	F61
C35, C36, C37, C38, C39, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50	15	47uF	GRM31CR60J476ME19L	MuRata	CAP, CERM, 47 µF, 6.3 V, +/- 20%, X5R, 1206	1206
J1, J2, J3, J4, J5, J6, J7, J8, J9, J13, J14, J15, J16	13		61300211121	Würth Elektronik	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
J10, J11, J12	3		61300311121	Würth Elektronik	Header, 2.54 mm, 3x1, Gold, TH	Header, 2.54mm, 3x1, TH
J17, J18, J19, J20	4		691216510002	Würth Elektronik	Receptacle, 5.08mm, 2x1, Brass, TH	Receptacle, 5.08mm, 2x1, TH
L1	1	2.2uH	IHLP2020CZER2R2M01	Vishay-Dale	Inductor, Shielded Drum Core, Powdered Iron, 2.2 µH, 5.8 A, 0.0292 ohm, SMD	5.18x3x5.5mm
L2, L3	2	3.3uH	IHLP2020CZER3R3M01	Vishay-Dale	Inductor, Shielded Drum Core, Powdered Iron, 3.3 µH, 5 A, 0.0547 ohm, SMD	5.18x3x5.5mm
R1, R7, R13	3	51	CRCW040251R0JNED	Vishay-Dale	RES, 51, 5%, 0.063 W, 0402	0402L
R2	1	26.1k	CRCW040226K1FKED	Vishay-Dale	RES, 26.1 k, 1%, 0.063 W, 0402	0402
R3, R9, R17	3	12.1k	CRCW040212K1FKED	Vishay-Dale	RES, 12.1 k, 1%, 0.063 W, 0402	0402L
R4, R10, R18	3	18.0k	CRCW040218K0FKED	Vishay-Dale	RES, 18.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402L
R5, R11, R19	3	6.04k	CRCW04026K04FKED	Vishay-Dale	RES, 6.04 k, 1%, 0.063 W, 0402	0402L
R6, R12, R20	3	2.67k	CRCW04022K67FKED	Vishay-Dale	RES, 2.67 k, 1%, 0.063 W, 0402	0402L
R8, R15	2	13.3k	CRCW040213K3FKED	Vishay-Dale	RES, 13.3 k, 1%, 0.063 W, 0402	0402
R16	1	82.5k	CRCW040282K5FKED	Vishay-Dale	RES, 82.5 k, 1%, 0.063 W, 0402	0402L
R21, R22, R23	3	56.2k	CRCW040256K2FKED	Vishay-Dale	RES, 56.2 k, 1%, 0.063 W, 0402	0402
R24, R28	2	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100k ohm, 1%, 0.063W, 0402	0402L
R25, R26, R27	3	19.6k	CRCW040219K6FKED	Vishay-Dale	RES, 19.6 k, 1%, 0.063 W, 0402	0402
R30	1	0	RC0402JR-070RL	Yageo America	RES, 0, 5%, 0.063 W, 0402	0402

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
TP1, TP2, TP5, TP6, TP8, TP9, TP11, TP12	8	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
TP3, TP4, TP7, TP10	4	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		TPS65265RHBR	Texas Instruments	Monolithic triple synchronous step-down (buck) converter, RHB0032E	RHB0032E
R14, R29, R31	0	18.0k	CRCW040218K0FKED	Vishay-Dale	RES, 18.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402L
R32, R33	0	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402L
C31, C32, C33	0	0.01uF	GRM155R71E103KA01D	MuRata	CAP, CERM, 0.01 μ F, 25 V, +/- 10%, X7R, 0402	0402

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