

PMP10324 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	Package
C4, C5, C6, C9	4	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	1210
C10, C11	2	1uF	C1608X7R1C105K	TDK	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	0603
C12	1	100pF	C1608C0G1H101J	TDK	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603
C13	1	1uF	C2012X7R1H105K125AB	TDK	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0805	0805
C14	1	10uF	C1608X5R1A106M	TDK	CAP, CERM, 10uF, 10V, +/-10%, C0G/NP0, 0603	0603
C15	1				CAP, open, 0603	0603
C16	1	0.068uF	C1608X7R1H683K	TDK	CAP, CERM, 0.068uF, 50V, +/-10%, X7R, 0603	0603
C17	1	0.1uF	C1608X7R1H104K	TDK	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C18	1	150pF	C1608C0G1H151J	TDK	CAP, CERM, 150pF, 50V, +/-5%, C0G/NP0, 0603	0603
J3, J4	2		ED120/2DS	OST	TERMINAL BLOCK 5.08MM VERT 2POS	TERM_BLK, 2pos, 5.08mm
L2	1	22uH	MSS1210-223ME	Coilcraft	Inductor, Shielded, Ferrite, 22uH, 6.7A, 0.026 ohm, SMD	Inductor, 12.3x10x12.3mm
Q1, Q2	2	60V	CSD18563Q5A	Texas Instruments	MOSFET, N-CH, 60V, 15A, SON 5x6mm	SON 5x6mm
R2, R11	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.1W, 0603	0603
R3	1	0.008	WSL20108L000FEA18	Vishay-Dale	RES, 0.008 ohm, 1%, 1W, 2010	2010
R4, R5	2	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0 ohm, 1%, 0.1W, 0603	0603
R7	1	200k	CRCW0603200KFKEA	Vishay-Dale	RES, 200k ohm, 1%, 0.1W, 0603	0603
R8, R9	2	3.3	CRCW06033R30JNEA	Vishay-Dale	RES, 3.3 ohm, 5%, 0.1W, 0603	0603
R10	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9 ohm, 1%, 0.1W, 0603	0603
R12	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100k ohm, 1%, 0.1W, 0603	0603
R13	1	3.32k	CRCW06033K32FKEA	Vishay-Dale	RES, 3.32k ohm, 1%, 0.1W, 0603	0603
R14	1	41.2k	CRCW060341K2FKEA	Vishay-Dale	RES, 41.2k ohm, 1%, 0.1W, 0603	0603
R15	1	17.8k	CRCW060317K8FKEA	Vishay-Dale	RES, 17.8k ohm, 1%, 0.1W, 0603	0603
R16	1	165k	CRCW0603165KFKEA	Vishay-Dale	RES, 165k ohm, 1%, 0.1W, 0603	0603
R17	1	3.16k	CRCW06033K16FKEA	Vishay-Dale	RES, 3.16k ohm, 1%, 0.1W, 0603	0603
TP3, TP4, TP7, TP8	4	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
TP5, TP6	2	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
U2	1		TPS43061RTE	Texas Instruments	Low Quiescent Current Synchronous Boost DC-DC Controller with Wide VIN Range, RTE0016G	RTE0016G

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