

PMP9581 REVC BOM

Designator	Qty	Value	Description	Package	PartNumber	Mfr
C1, C2	2	100uF	CAP, OS-CON, 100uF, 25V, +/-20%, 0.024 ohm, E7, SMD	8x10	25SVPF100M	Sanyo
C3, C14	2	10uF	CAP, CERM, 10uF, 25V, +/-20%, X7R, 1210	1210	C3225X7R1E106M250AC	TDK
C4, C5, C9, C19	4	1uF	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603	C1608X7R1E105K	TDK
C6, C7, C8	3	22uF	CAP, CERM, 22uF, 16V, +/-20%, X7R, 1210	1210	C3225X7R1C226M250AC	TDK
C10	1	100pF	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603	C1608C0G1H101J	TDK
C16	1	0.01uF	CAP, CERM, 0.01uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H103K	TDK
C11	1	0.033uF	CAP, CERM, 0.033uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H333K	TDK
C12, C13	2	180uF	CAP, OS-CON, 180uF, 25V, +/-20%, 0.016 ohm, 10x10.3 SMD	10x10.3	25SVPF180M	Sanyo
C15, C17	2	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H104K	TDK
C18	1	470pF	CAP, CERM, 470pF, 50V, +/-5%, COG/NPO, 0603	0603	C1608C0G1H471J	TDK
C20	1	150uF	CAP, AL, 150uF, 25V, +/-20%, 0.16 ohm, SMD	SMT Radial F	EEE-FK1E151P	Panasonic
D1, D2	2	BAS16-7-F	Diode, Ultrafast, 75V, 0.3A, SOT-23	SOT-23	BAS16-7-F	Diodes Inc.
J1, J2	2		Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm	ED555/2DS	OST
L2	1	22uH	Inductor, Drum Core, Ferrite, 22uH, 15A, 0.0070 ohm, SMD	22.5x12x20mm	74435582200	Würth
L3	1	22uH	Inductor, Shielded Drum Core, WE-Perm, 22uH, 6A, 0.0247 ohm, SMD	WE-HCA2	7443551221	Würth
Q1, Q2	2	CSD18531Q5A	MOSFET, N-CH, 60V, 0.0035 Ohms, 5x6mm	SON 5x6mm	CSD18531Q5A	TI
R1, R9	2	0	RES, 0 ohm, 5%, 0.1W, 0603	0603	CRCW06030000Z0EA	Vishay-Dale
R2, R8	2	20.0k	RES, 20.0k ohm, 1%, 0.1W, 0603	0603	CRCW060320K0FKEA	Vishay-Dale
R3	1	1.00Meg	RES, 1.00Meg ohm, 1%, 0.1W, 0603	0603	CRCW06031M00FKEA	Vishay-Dale
R4	1	1.00k	RES, 1.00k ohm, 1%, 0.1W, 0603	0603	CRCW06031K00FKEA	Vishay-Dale
R5	1	49.9	RES, 49.9 ohm, 1%, 0.1W, 0603	0603	CRCW060349R9FKEA	Vishay-Dale
R6	1	5.49k	RES, 5.49k ohm, 1%, 0.1W, 0603	0603	CRCW06035K49FKEA	Vishay-Dale
R7	1	49.9k	RES, 49.9k ohm, 1%, 0.1W, 0603	0603	CRCW060349K9FKEA	Vishay-Dale
R10	1	365k	RES, 365k ohm, 1%, 0.1W, 0603	0603	CRCW0603365KFKEA	Vishay-Dale
R11, R16	2	10.0	RES, 10 ohm, 1%, 0.1W, 0603	0603	CRCW060310R0FKEA	Vishay-Dale
R12	1	0.005	RES, 0.005 ohm, 1%, 2W, 2512	2512	CSNL2512FT5L00	Stackpole
R13	1	5.11k	RES, 5.11k ohm, 1%, 0.1W, 0603	0603	CRCW06035K11FKEA	Vishay-Dale
R14	1	21.5k	RES, 21.5k ohm, 1%, 0.1W, 0603	0603	CRCW060321K5FKEA	Vishay-Dale
R15	1	10.0k	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	CRCW060310K0FKEA	Vishay-Dale
R17	1	1.00	RES, 1.00 ohm, 1%, 0.25W, 1206	1206	CRCW12061R00FKEA	Vishay-Dale
TP1, TP3, TP4, TP5, TP6, TP7	6	Red	Test Point, TH, Miniature, Red	5000	5000	Keystone
TP2, TP8, TP9	3	Black	Test Point, TH, Miniature, Black	5001	5001	Keystone
U1	1	LM5116	Wide Range Synchronous Buck Controller, 20-pin TSSOP-EP, Pb-Free	MXA20A	LM5116MH/NOPB	TI

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