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PMP8921 REVB BOM

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
C3, C16, C17	3	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	Std	TDK
C12, C18	2	100pF	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603	Std	TDK
C8, C14	2	10uF	CAP, CERM, 10uF, 10V, +/-10%, X5R, 0603	0603	Std	TDK
C10, C11, C13	3	1uF	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	0603	Std	TDK
C15	1	open	CAP, CERM, open, 50V, +/-5%, C0G/NP0, 0603	0603		
C1, C2	2	47uF	CAP, CERM, 47uF, 10V, +/-20%, X5R, 0805	0805	C2012X5R1A476MT	TDK
C9	1	22uF	CAP, CERM, 22uF, 16V, +/-20%, X7R, 1210	1210	C3225X7R1C226M	TDK
C4, C5, C6	3	180uF	CAP, AL, 180uF, 16V, +/-20%, 0.010 ohm, SMD	F61	16SVPE180M	Sanyo
C7	1	open	CAP, AL, open, 16V, +/-20%, 0.010 ohm, SMD	F61		
D1	1	open	Diode, Schottky, open, SOD-123	SOD-123		
J1	1		Header, TH, 100mil, 2x1, Gold plated, 230 mil above insulator	TSW-102-07-G-S	TSW-102-07-G-S	Samtec
J2	1	1x3	Header, TH, 100mil, 1x3, Gold plated, 230 mil above insulator	PBC03SAAN	PBC03SAAN	Sullins Connector Solutions
J3, J4	2		TERMINAL BLOCK 5.08MM VERT 2POS	TERM_BLK, 2pos, 5.08mm	ED120/2DS	OST
L1	1	1uH	Inductor, Shielded, Ferrite, 1uH, 1.68A, 0.059 ohm, SMD	EPL2014	EPL2014-102MLB	Coilcraft
L2	1	4.5uH	Inductor, Power, 27A, 0.00382 Ohms, ±20%	0.590 x 0.630 inch	XAL1580-452ME	Coilcraft
Q1, Q2	2	30V	MOSFET, N-CH, 30V, 0.0018 Ohm, SON 5x6mm	SON 5x6mm	CSD17311Q5	TI
R1, R8, R9, R11	4	0	RES, 0 ohm, 5%, 0.1W, 0603	0603	Std	Vishay-Dale
R4, R5	2	10.0	RES, 10.0 ohm, 1%, 0.1W, 0603	0603	Std	Vishay-Dale
R10	1	49.9	RES, 49.9 ohm, 1%, 0.1W, 0603	0603	Std	Vishay-Dale
R13, R14, R17	3	10.0k	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	Std	Vishay-Dale
R15	1	15.4k	RES, 15.4k ohm, 1%, 0.1W, 0603	0603	Std	Vishay-Dale
R7	1	23.2k	RES, 23.2k ohm, 1%, 0.1W, 0603	0603	Std	Vishay-Dale
R16	1	287k	RES, 287k ohm, 1%, 0.1W, 0603	0603	Std	Vishay-Dale
R12	1	88.7k	RES, 88.7k ohm, 1%, 0.1W, 0603	0603	Std	Vishay-Dale
R2, R6	2	open	RES, open, 5%, 0.1W, 0603	0603		
R3	1	0.003	RES, 0.003 ohm, 1%, 1W, 2512	2512	ERJ-M1WSF3M0U	Panasonic
TP1, TP2, TP3, TP4, TP7, TP8	6	Red	Test Point, TH, Miniature, Red	Keystone5000	5000	Keystone
TP5, TP6	2	Black	Test Point, TH, Miniature, Black	Keystone5001	5001	Keystone
U1	1	TPS63061DSC	IC, High Input Voltage Single Inductor Buck-Boost Converter	SON-1	TPS63061DSC	TI
U2	1	TPS43061RTE	Low Quiescent Current Synchronous Boost DC-DC Controller with Wide VIN Range, RTE0016G	RTE0016G	TPS43061RTE	TI

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