

PMP9351 BOM

Designator	Quantity	Value	Description	Footprint	PartNumber	Manufacturer
C1, C2	2	10pF	CAP, CERM, 10pF, 50V, +/-5%, COG/NP0, 0402	0402L	500R07S100JV4T	Johanson Technology
C3, C5	2	0.1uF	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0402	0402L	C1005X7R1E104K050BB	TDK Corporation
C4, C6, C25, C28, Cin1, Cin2, Cout1, Cout2, Cout3	9	4.7uF	CAP, CERM, 4.7uF, 25V, +/-20%, X7R, 0805	0805L	CGA4J1X7R1E475M125AC	TDK Corporation
C7	1	0.01uF	CAP, CERM, 0.01uF, 16V, +/-10%, X7R, 0402	0402L	C1005X7R1C103K	TDK
C8, C8_2, C9	3	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, COG/NP0, 0402	0402L	C1005X7R1H104K	TDK
C10, C12, C14, C17, C21	5	0.01uF	CAP, CERM, 0.01uF, 16V, +/-10%, X7R, 0402	0402L	GRM155R71C103KA01D	MuRata
C11, C13, C15, C18, C22, C24	6	0.1uF	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0402	0402L	GRM155R71C104KA88D	MuRata
C16, C23	2	4.7uF	CAP, CERM, 4.7uF, 16V, +/-10%, X7R, 0805	0805L	GRM21BR71C475KA73L	MuRata
C19, C20	2	22uF	CAP, CERM, 22uF, 10V, +/-10%, X7R, 1206	1206L	GRM31CR71A226KE15L	MuRata
C26, C27	2	1uF	CAP, CERM, 1uF, 10V, +/-10%, X7R, 0603	0603L	GRM188R71A105KA61D	MuRata
C29	1	10uF	CAP, CERM, 10uF, 25V, +/-10%, X7R, 1206	1206L	GRM31CR71E106KA12L	MuRata
CN1	1		Receptacle 100mil 16x2, Gold, TH	CONN_SSW	SSW-116-01-G-D	SAMTEC
CN2	1		Connector, SMB, Vertical RCP 0-4GHz, 50 ohm, TH	CONN_131-	131-3701-261	Emerson Network Power
L1	1			0805	BRC2012T4R7MD	Taiyo Yuden
L2	1		INDUCTOR 100UH 190MA 1007 SMD	IND_1007(25	BRC2518T101K	Taiyo Yuden
L3, L5, L7, L8, L9	5		0.3A Ferrite Bead, 600 ohm @ 100MHz, SMD	0603L	BK1608HW601-T	Taiyo Yuden
L4, L6	2		Inductor, Power, 10uH, 0.76A, +/-20%	IND_VLS301	VLS3012ET-100M	TDK Corporation
Q1	1	-12V	MOSFET, P-CH, -12V, -2.2A, 1x0.62x1mm	uSMD_4A	CSD23201W10	Texas Instruments
Q2	1	20V	MOSFET, N-CH, 20V, 0.7A, SOT-416	SOT-416	PMR290UNE,115	NXP Semiconductor
R3, R4, R5	3	2.2k	RES, 2.2k ohm, 5%, 0.063W, 0402	0402L	CRCW04022K20JNED	Vishay-Dale
R6, R8	2	1.0k	RES, 1.0k ohm, 5%, 0.1W, 0603	0603L	CRCW06031K00JNEA	Vishay-Dale
R9, R12, R14, R15	4	10.0k	RES, 10.0k ohm, 1%, 0.063W, 0402	0402L	CRCW040210K0FKED	Vishay-Dale
R10	1	33	RES, 33 ohm, 5%, 0.063W, 0402	0402L	CRCW040233R0JNED	Vishay-Dale
R11	1	49.9	RES, 49.9 ohm, 1%, 0.063W, 0402	0402L	CRCW040249R9FKED	Vishay-Dale
R13, R18	2	0	RES, 0 ohm, 5%, 0.063W, 0402	0402L	CRCW04020000Z0ED	Vishay-Dale
R16	1	100k	RES, 100k ohm, 1%, 0.063W, 0402	0402L	CRCW0402100KFKED	Vishay-Dale
R17	1	4.75k	RES, 4.75k ohm, 1%, 0.063W, 0402	0402L	CRCW04024K75FKED	Vishay-Dale
R19	1	1.00	RES, 1.00 ohm, 1%, 0.063W, 0402	0402L	CRCW04021R00FKED	Vishay-Dale
Rfbb1	1	44.2k	RES, 44.2k ohm, 1%, 0.063W, 0402	0402L	CRCW040244K2FKED	Vishay-Dale
Rfbb2, Rfbb1	2	121k	RES, 121k ohm, 1%, 0.063W, 0402	0402L	CRCW0402121KFKED	Vishay-Dale
Rfbb2	1	80.6k	RES, 80.6k ohm, 1%, 0.063W, 0402	0402L	CRCW040280K6FKED	Vishay-Dale
Rlim1, Rlim2	2	15.0k	RES, 15.0k ohm, 1%, 0.063W, 0402	0402L	CRCW040215K0FKED	Vishay-Dale
U1, U3	2		2.7 - 20V, 750mA Step-Down Converter with Adjustable Input Current Limit, YZF0009ALAL	YZF0009AL	LMR22007YYZF	Texas Instruments
U2	1		10 - 43MHz 14 Bit Color FPD-Link III Serializer with Bi-Directional Control Channel, 32 pin LLP	SQA32A	DS90UB913Q	Texas Instruments
U4	1		150mA Linear Voltage Regulator for Digital Applications, 4-pin Micro SMD, Pb-Free	TLA04AMA	LP3990TLX-1.8/NOPB	Texas Instruments
X1	1		Oscillator, 48.000MHz, 1.8-3.3V, SMD	XTAL_ABSE	ASE-48.000MHZ-LC-T	Abracon Corporation

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