

PMP9128 REVA Bill of Materials

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
C1, C14	2	1000pF	CAP, CERM, 1000pF, 25V, +/-10%, X7R, 0201	0201	Std	Std
C2, C3, C15, C16	4	10uF	CAP, CERM, 10uF, 25V, +/-10%, X5R, 1206	1206	Std	Std
C4, C6, C12, C18, C19, C27, C28, C29, C30, C31, C32	11	1uF	CAP, CERM, 1uF, 10V, +/-20%, X5R, 0201	0201	Std	Std
C5, C17	2	0.022uF	CAP, CERM, 0.022uF, 6.3V, +/-10%, X5R, 0201	0201	Std	Std
C7, C8, C9, C10, C11, C20, C21, C22, C23, C24	10	22uF	CAP, CERM, 22uF, 10V, +/-20%, X5R, 0603	0603	Std	Std
C13, C26	2	4.7uF	CAP, CERM, 4.7uF, 10V, +/-20%, X5R, 0402	0402	Std	Std
C25	1	680pF	CAP, CERM, 680pF, 25V, +/-10%, X7R, 0201	0201	Std	Std
J1, J2, J4	3	ED120/2DS	TERMINAL BLOCK 5.08MM VERT 2POS	TERM_BLK, 2pos, 5.08mm	ED120/2DS	Std
J3	1		Header, 100mil, 2x1, Gold plated, TH	Header, 2x1, 100mil	Std	Std
L1, L2	2	220nH	Inductor, Powdered Iron, 220nH, 7A, 0.008 ohm, SMD	2.5 x 1.2 x 2mm	PIFE25201B-R22MS-63	Cyntec
R1, R20	2	2.87k	RES, 2.87k ohm, 1%, 0.05W, 0201	0201	Std	Std
R2	1	162k	RES, 162k ohm, 1%, 0.05W, 0201	0201	Std	Std
R5	1	562k	RES, 562k ohm, 1%, 0.05W, 0201	0201	Std	Std
R6, R10	2	39.2k	RES, 39.2k ohm, 1%, 0.05W, 0201	0201	Std	Std
R7, R21	2	2.2	RES, 2.2 ohm, 5%, 0.05W, 0201	0201	Std	Std
R8, R22	2	11.5k	RES, 11.5k ohm, 1%, 0.05W, 0201	0201	Std	Std
R9, R37	2	56.2k	RES, 56.2k ohm, 1%, 0.05W, 0201	0201	Std	Std
R11, R12	2	150k	RES, 150k ohm, 1%, 0.05W, 0201	0201	Std	Std
R13	1	1M	RES, 1M ohm, 1%, 0.05W, 0201	0201	Std	Std
R14, R25	2	3.32k	RES, 3.32k ohm, 1%, 0.05W, 0201	0201	Std	Std
R15, R26	2	0	RES, 0 ohm, 5%, 0.05W, 0201	0201	Std	Std
R16	1	10	RES, 1 ohm, 5%, 0.05W, 0201	0201	Std	Std
R17, R18	2	49.9	RES, 49.9 ohm, 1%, 0.05W, 0201	0201	Std	Std
R19, R28, R29, R30, R31, R32, R33	7	10.0k	RES, 10.0k ohm, 1%, 0.05W, 0201	0201	Std	Std
R23	1	100k	RES, 100k ohm, 5%, 0.05W, 0201	0201	Std	Std
R27	1	2.49k	RES, 2.49k ohm, 1%, 0.05W, 0201	0201	Std	Std
R34	1	52.3k	RES, 52.3k ohm, 1%, 0.05W, 0201	0201	Std	Std
R35	1	28.0k	RES, 28.0k ohm, 1%, 0.05W, 0201	0201	Std	Std
R36	1	30.1k	RES, 30.1k ohm, 1%, 0.05W, 0201	0201	Std	Std
RT1, RT2	2	10.0k	Thermistor NTC, 10.0k ohm, 1%, 0201	0201	NCP03XH103F05RL	MuRata
TP1, TP2, TP3, TP5, TP6, TP7, TP8, TP10, TP11, TP12, TP13	11	Red	Test Point, Miniature, Red, TH	Red Miniature Testpoint	5000	Keystone
TP4, TP9, TP14, TP15	4	Black	Test Point, Miniature, Black, TH	Black Miniature Testpoint	5001	Keystone
U1, U4	2	CSD87381P	Synchronous Buck NexFET Power Block II, MPC0005A	MPC0005A	CSD87381P	Texas Instruments
U2, U5	2	TPS51604DSG	Synchronous Buck FET Driver Optimized for High-Frequency Applications, DSG0008A	DSG0008A	TPS51604DSG	Texas Instruments
U3	1	TPS51632-Q1RSM	3-2-1 Phase D-Cap+ Step-Down Driverless Controller for Tegra CPUs with Serial VID Control and DVFS, RSM0032B	RSM0032B	TPS51632-Q1RSM	Texas Instruments
U6, U7	2	TPS73101DBV	Cap-Free, NMOS, 150mA Low Dropout Regulator with Reverse Current Protection, DBV0005A	DBV0005A	TPS73101DBV	Texas Instruments

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