

# Bill of Materials

PMP4345 Power Board

Source Data From: PMP4345 RevB.SchDoc  
 Project: Free Documents  
 Variant: None

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Footprint	Comment	LibRef	Designator	Description	Quantity
1206	GRM31CR71E10	GRM31CR71E10	C1, C12	CAP, CERM, 10uF, 25V, +/-10%, X7R, 1206	2
0402	C1005X7R1H104	C1005X7R1H104	C3, C4, C5, C6, C17, C19	CAP, CERM, 0.1uF, 50V, +/-10%, C0G/NP0,	6
0603	C1608X7R1E105	C1608X7R1E105	C7	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	1
0603	GRM188R71A22	GRM188R71A22	C8, C10, C13	CAP, CERM, 2.2uF, 10V, +/-10%, X7R, 0603	3
0603	C0603C101J5GA	C0603C101J5GA	C9, C18	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0,	2
0402	GRM155R71C82	GRM155R71C82	C11	CAP, CERM, 0.082uF, 16V, +/-10%, X7R, 0402	1
0402	GRM155R71E22	GRM155R71E22	C14	CAP, CERM, 2200pF, 25V, +/-10%, X7R, 0402	1
0402	GRM155R71E82	GRM155R71E82	C15	CAP, CERM, 8200pF, 25V, +/-10%, X7R, 0402	1
0402	GRM1555C1H33	GRM1555C1H33	C16	CAP, CERM, 330pF, 50V, +/-5%, C0G/NP0,	1
0402	GRM1555C1H10	GRM1555C1H10	C20	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0,	1
0402	GRM155R71H47	GRM155R71H47	C21	CAP, CERM, 4700pF, 50V, +/-10%, X7R, 0402	1
IND_PULSE_	PA2607.231NL	IND_PA2607_SE	L1, L2	Inductor, SMT, 37A, 0.29mR, 230nH	2
SOT-363	MBT2222ADW11	TR-MBT3904DW	Q1	Transistor, Dual NPN, 40V, 200mA,	1
DQY0008A	CSD87350Q5D	CSD87350Q5D	Q2, Q3	Synchronous Buck NexFET Power Block, DC	2
0402	CRCW040210K0	CRCW040210K0	R1, R3, R4, R12, R13, R23	RES, 10.0k ohm, 1%, 0.063W, 0402	6
0402	CRCW0402100K	CRCW0402100K	R2, R27, R34	RES, 100k ohm, 1%, 0.063W, 0402	3
0402	CRCW040238K3	CRCW040238K3	R5	RES, 38.3k ohm, 1%, 0.063W, 0402	1
0402	RC0402JR-070R	RC0402JR-070R	R6, R11, R17, R25, R30, R33	RES, 0 ohm, 5%, 0.063W, 0402	6
0402	CRCW04027K50	CRCW04027K50	R7, R29	RES, 7.50k ohm, 1%, 0.063W, 0402	2
0402	CRCW0402100R	CRCW0402100R	R8, R9	RES, 100 ohm, 5%, 0.063W, 0402	2
0402	CRCW04022R20	CRCW04022R20	R10	RES, 2.2 ohm, 5%, 0.063W, 0402	1
0402	CRCW040222K1	CRCW040222K1	R15	RES, 22.1k ohm, 1%, 0.063W, 0402	1
0805	RC0805JR-071R	RC0805JR-071R	R16, R28	RES, 1.0 ohm, 5%, 0.125W, 0805	2
0402	CRCW040253K6	CRCW040253K6	R18	RES, 53.6k ohm, 1%, 0.063W, 0402	1
0402	CRCW040210R0	CRCW040210R0	R19, R22, R31, R32	RES, 10.0 ohm, 1%, 0.063W, 0402	4
0402	CRCW04024K32	CRCW04024K32	R20	RES, 4.32k ohm, 1%, 0.063W, 0402	1
0402	CRCW04023K32	CRCW04023K32	R21	RES, 3.32k ohm, 1%, 0.063W, 0402	1
0402	CRCW0402511R	CRCW0402511R	R24	RES, 511 ohm, 1%, 0.063W, 0402	1
0402	CRCW040251R1	CRCW040251R1	R26	RES, 51.1 ohm, 1%, 0.063W, 0402	1
0805	NCP21XV103J03	NCP21XV103J03	RV1	Thermistor NTC, 10k ohm, 5%, 0805	1
RHB0032D	TPS40322RHB	TPS40322RHB	U1	Dual Output or Two-Phase Synchronous Buck	1

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Approved	Notes

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