

PMP41017_SecondaryBoard REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C6	2	0.1uF	C0603C104K5RACTU	Kemet	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	603
C2	1	22uF	GRM21BC81C226ME44L	MuRata	CAP, CERM, 22 uF, 16 V, +/- 20%, X6S, 0805	805
C4, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C101, C102, C103, C106, C137	32	10uF	GMK316AB7106KL-TR	Taiyo Yuden	CAP, CERM, 10 uF, 35 V, +/- 10%, X7R, 1206_190	1206_190
C5	1	10uF	C1608X5R1E106M080AC	TDK	CAP, CERM, 10 uF, 25 V, +/- 20%, X5R, 0603	603
C17, C18, C19, C20, C41, C42, C43, C44	8	4.7uF	C2012X7R1V475K125AC	TDK	CAP, CERM, 4.7 uF, 35 V, +/- 10%, X7R, 0805	805
C21, C22, C23, C24, C45, C46, C47, C48	8	100pF	CL10B101KB8NNNC	Samsung	CAP, CERM, 100 pF, 25 V, +/- 10%, X7R, 0603	603
C49, C50, C55, C56, C60	5	0.1uF	C1608X7R1E104K080AA	TDK	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	603
C51	1	33pF	GRM1885C2A330JA01D	MuRata	CAP, CERM, 33 pF, 100 V, +/- 5%, C0G/NP0, 0603	603
C54	1	470pF	C0603C471K5RACTU	KEMET	CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, 0603	603
MP1, MP2, MP3, MP4, MP5, MP6, MP7, MP8, MP9, MP10, MP11, MP12, MP13, MP14, MP15, MP16	16		2mmx2mmx2mm		Spacer, SMT, Swage Round, Steel, 2x2mm	SPACER_SMT_M2
Q1, Q2, Q4, Q5, Q7, Q8, Q9, Q10, Q12, Q13, Q15, Q16, Q17, Q18, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q30, Q31, Q32	24	30V	CSD17570Q5B	Texas Instruments	MOSFET, N-CH, 30 V, 100 A, DNK0008A (VSON-CLIP-8)	DNK0008A
R1	1	30k	CRCW060330K0JNEA	Vishay-Dale	RES, 30 k, 5%, 0.1 W, 0603	603
R2	1	20k	CRCW060320K0JNEA	Vishay-Dale	RES, 20 k, 5%, 0.1 W, 0603	603
R3	1	220k	RC0603FR-07220KL	Yageo	RES, 220 k, 1%, 0.1 W, 0603	603
R5	1	15.0k		Yageo	RES, 15.0 k, 1%, 0.1 W, 0603	603
R23, R118	2	5.10k	RC0603FR-075K1L	Yageo	RES, 5.10 k, 1%, 0.1 W, 0603	603

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R26, R29, R56, R89, R92, R94, R97, R105, R108, R117	10	0.0005	CSNL2512FTL500	Stackpole Electronics Inc	RES, 0.0005, 1%, 2 W, 2512	2512
R31, R34, R36, R39, R58, R59	6	1	ERJ-3RQF2R2V	Panasonic	RES, 1ohm 1%, 0.1 W, 0603	603
R42, R44, R47, R49, R67, R86, R87, R88, R98, R119	10	100	RC0603FR-07100RL	Yageo	RES, 100, 1%, 0.1 W, 0603	603
R62, R63	2	1	ERJ-3RQF2R2V	Panasonic	RES, 1.0, 1%, 0.1 W, 0603	603
R96	1	20.0k	RC0603FR-0720KL	Yageo	RES, 20.0 k, 1%, 0.1 W, 0603	603
TRAN1, TRAN2	2		ATWPPQ322127A200P	SunLord	PQ32 TRANSFORMER	PQ3220
U1	1		TPSM863252RDX	Texas Instruments	3V to 16 V Input, 3-A Synchronous Step-Down Voltage Regulator Module, QFN-FCMOD7	QFN-FCMOD7
U2, U3, U4, U10	4		UCC27282DRCR	Texas Instruments	120-V, 3-A Peak, 5-V UVLO, 3x3, High-Frequency, High-Side/Low-Side Driver, DRC0010J (VSON-10)	DRC0010J
U5, U6	2		INA210BIDCKR	Texas Instruments	26-V, Bi-Directional, Zero-Drift, High Accuracy, Low-/High-Side, Voltage Out Current Shunt Monitor, DCK0006A (SOT-SC70-6)	DCK0006A
U20	1		TS321IDBVR	Texas Instruments	Low-Power Single Operational Amplifier, 3 to 30 V, -40 to 125 degC, 5-pin SOT23 (DBV5), Green (RoHS & no Sb/Br)	DBV0005A