

PMP40544 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP40544	Any	Printed Circuit Board	
C1	1	100pF	GCM1885C2A101JA16D	MuRata	CAP, CERM, 100 pF, 100 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	0603
C2, C17	2	2.2uF	GRT155R61E225KE13D	MuRata	CAP, CERM, 2.2 uF, 25 V, +/- 10%, X5R, AEC-Q200 Grade 3, 0402	0402
C3, C4, C12, C14, C18, C19, C20	7	0.1uF	CGA2B3X7R1E104K050BB	TDK	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C5, C6	2	22uF	GRT31CR61E226KE01L	MuRata	CAP, CERM, 22 uF, 25 V, +/- 10%, X5R, AEC-Q200 Grade 3, 1206	1206
C7, C9, C10, C11	4	10uF	CGA5L1X7R1H106K160AC	TDK	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C8	1	0.1uF	CGA3E2X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C13	1	10uF	GRM21BC81C106KA73L	MuRata	CAP, CERM, 10 uF, 16 V, +/- 10%, X6S, 0805	0805
C15	1	0.22uF	C1005X5R1E224M050BC	TDK	CAP, CERM, 0.22 uF, 25 V, +/- 20%, X5R, 0402	0402
C16	1	1uF	GRM155R61E105KA12D	MuRata	CAP, CERM, 1 uF, 25 V, +/- 10%, X5R, 0402	0402
J1	1		691214110002	Würth Elektronik	Terminal Block, 3.5mm, 2x1, Tin, TH	Receptacle, 3.5mm, 2x1, TH
J2	1		61400416021	Würth Elektronik	USB 2.0 Type A, 4 Pos, Gold, R/A, TH	USB Type A R/A
J3	1		931	Keystone	Connector, Plug, USB Type A, R/A, Top Mount SMT	USB 2.0, SMT Plug, 18.65x4.5x12mm
L1	1	10uH	XAL6060-103MEB	Coilcraft	Inductor, Shielded, Composite, 10 uH, 7 A, 0.02982 ohm, AEC-Q200 Grade 1, SMD	IND_6.4x6.1x6.6
L2	1	1.2uH	XAL4020-122MEB	Coilcraft	Inductor, Shielded, Composite, 1.2 uH, 7.9 A, 0.0195 ohm, AEC-Q200 Grade 1, SMD	4x2.1x4mm
Q1	1	20V	CSD85312Q3E	Texas Instruments	MOSFET, 2-CH, N-CH, 20 V, 12 A, DPA0008A (VSON-8)	DPA0008A
R1	1	10.0	ERJ-8ENF10R0V	Panasonic	RES, 10.0, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R2, R6	2	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
R3	1	0.015	CSR1206FK15L0	Stackpole Electronics Inc	RES, 0.015, 1%, 0.5 W, 1206	1206
R4, R5	2	1.00	ERJ-6RQF1R0V	Panasonic	RES, 1.00, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
R7	1	49.9k	ERJ-2RKF4992X	Panasonic	RES, 49.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
R8, R9	2	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R10	1	301	CRCW0402301RFKED	Vishay-Dale	RES, 301, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R13	1	2.74k	CRCW04022K74FKED	Vishay-Dale	RES, 2.74 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R14	1	7.32k	CRCW04027K32FKED	Vishay-Dale	RES, 7.32 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R15	1	5.1k	CRCW04025K10JNED	Vishay-Dale	RES, 5.1 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R16	1	24k	CRCW040224K0JNED	Vishay-Dale	RES, 24 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R17	1	1.69k	CRCW04021K69FKED	Vishay-Dale	RES, 1.69 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R19	1	100	CRCW0805100RFKEA	Vishay-Dale	RES, 100, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
U1	1		TPS25840QWRHBTQ1	Texas Instruments	USB Type-A BC1.2 5-V 3.5-A Output, 36-V Input Synchronous Buck With Cable Compensation, RHB0032R (VQFN-32)	RHB0032R
U2	1		TPS70933QDBVRQ1	Texas Instruments	150-mA, 30-V, 1-uA IQ Voltage Regulator with Enable, DBV0005A (SOT-23-5)	DBV0005A
U3	1		TUSB217RGRYRQ1	Texas Instruments	USB 2.0 signal conditioner, RGY0014B (VQFN-14)	RGY0014B
R11, R12	0	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
R18	0	47k	CRCW040247K0JNED	Vishay-Dale	RES, 47 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R20, R21	0	0	RC1206JR-070RL	Yageo America	RES, 0, 5%, 0.25 W, 1206	1206

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