PMP40871 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	4.7uF	GRM188R61C475KAAJ	MuRata	CAP, CERM, 4.7 uF, 16 V, +/- 10%, X5R, 0603	0603
C3, C4	2	0.47uF	C2012X7S2A474K125AB	TDK	CAP, CERM, 0.47 µF, 100 V,+/- 10%, X7S, 0805	0805
C8, C9	2	10uF	CGA5L1X7R1H106K160AC	TDK	CAP, CERM, 10 µF, 50 V,+/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C10, C11	2	2.2uF	CGA5L3X7S2A225K160AB	TDK	CAP, CERM, 2.2 µF, 100 V,+/- 10%, X7S, AEC-Q200 Grade 1, 1206	1206
CBYP	1	0.01uF	C0603C103J1RACTU	Kemet	CAP, CERM, 0.01 µF, 100 V,+/- 5%, X7R, 0603	0603
D1	1	100V	BAS16D-E3-08	Vishay-Semiconductor	Diode, Switching, 100 V, 0.25 A, AEC-Q101, SOD-123	SOD-123
J1, J2, JP3	3		PEC03SAAN	Sullins Connector Solutions	Header, 100mil, 3x1, Tin, TH	Header, 3 PIN, 100mil, Tin
J5, J6	2		PEC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin
L1	1	4.7uH	DFE201612E-4R7M=P2	MuRata	Inductor, Shielded, Metal Composite, 4.7 µH, 1.2 A, 0.252 ohm, SMD	2x1.6mm
R1	1	392k	RT0603BRD07392KL	Yageo America	RES, 392 k, 0.1%, 0.1 W, 0603	0603
R2, R4	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R5	1	475k	RC0603FR-07475KL	Yageo	RES, 475 k, 1%, 0.1 W, 0603	0603
R6	1	12.0k	RC0603FR-0712KL	Yageo	RES, 12.0 k, 1%, 0.1 W, 0603	0603
U1	1		TPS61391RGT	Texas Instruments	85-VOUT Boost Converter with Current Mirror and Sample / Hold, RGT0016C (VQFN-16)	RGT0016C
U2	1		TPS7A4101DGNR	Texas Instruments	Single Output LDO, 50 mA, Adjustable 1.175 to 48 V Output, 7 to 50 V Input, 8-pin MSOP (DGN), -40 to 125 degC, Green (RoHS & no Sb/Br)	DGN0008B
C0	0	100uF	EEHZA1E101XP	Panasonic	CAP, Polymer Hybrid, 100 uF, 25 V, +/- 20%, 30 ohm, 6.3x7.7 SMD	6.3x7.7

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