

PMP30064 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	2.2uF	GRM21BR71C225KA12L	MuRata	CAP, CERM, 2.2 μ F, 16 V, +/- 10%, X7R, 0805	0805
C2	1	0.1uF	GCM188R71C104KA37J	MuRata	CAP, CERM, 0.1 μ F, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C3	1	22uF	GRM32ER71C226KE18L	MuRata	CAP, CERM, 22 μ F, 16 V, +/- 10%, X7R, 1210	1210
C4	1	4.7uF	0603ZD475KAT2A	AVX	CAP, CERM, 4.7 μ F, 10 V, +/- 10%, X5R, 0603	0603
C5	1	2.2uF	C2012X5R1H225K125AB	TDK	CAP, CERM, 2.2 μ F, 50 V, +/- 10%, X5R, 0805	0805
C101	1	220pF	06031C221KAT2A	AVX	CAP, CERM, 220 pF, 100 V, +/- 10%, X7R, 0603	0603
D1	1	40V	MBR0540T1G	ON Semiconductor	Diode, Schottky, 40 V, 0.5 A, SOD-123	SOD-123
D2	1	5.1V	MMBZ5231BLT1G	ON Semiconductor	Diode, Zener, 5.1 V, 225 mW, SOT-23	SOT-23
D3, D4	2	100V	1N4148W-7-F	Diodes Inc.	Diode, Ultrafast, 100 V, 0.15 A, SOD-123	SOD-123
J1, J2	2		691 101 710 002	Würth Elektronik	Terminal Block, 5 mm, 2x1, Tin, TH	Terminal Block, 5 mm, 2x1, TH
J3	1		5-146280-3	TE Connectivity	Header, 2.54mm, 3x1, Gold, TH	Header, 2.54mm, 3x1, TH
Q1	1	60 V	MMDT2907A-7-F	Diodes Inc.	Transistor, Dual PNP, 60 V, 0.6 A, SOT-363	SOT-363
Q2	1	40 V	MMBT3904-7-F	Diodes Inc.	Transistor, NPN, 40 V, 0.2 A, SOT-23	SOT-23
R1, R3, R5, R9, R101	5	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, 0603	0603
R2	1	5.11k	CRCW06035K11FKEA	Vishay-Dale	RES, 5.11 k, 1%, 0.1 W, 0603	0603
R4	1	3.32k	CRCW06033K32FKEA	Vishay-Dale	RES, 3.32 k, 1%, 0.1 W, 0603	0603
R6	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R7	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R8	1	10.2k	CRCW060310K2FKEA	Vishay-Dale	RES, 10.2 k, 1%, 0.1 W, 0603	0603
R10	1	6.81k	CRCW06036K81FKEA	Vishay-Dale	RES, 6.81 k, 1%, 0.1 W, 0603	0603
R11	1	40.2k	CRCW060340K2FKEA	Vishay-Dale	RES, 40.2 k, 1%, 0.1 W, 0603	0603
T1	1	10uH	750316209 Rev03	Würth Elektronik	Transformer, 10 uH, SMT	11.43x9.78mm
U1	1		TPS61040DBVR	Texas Instruments	28 V, 400 mA Switch Boost Converter for White LED Applications, 1.8 to 6 V, -40 to 85 degC, 5-pin SOT23 (DBV5), Green (RoHS & no Sb/Br)	DBV0005A

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