

## PMP15038 Bill of Material

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2, C3, C4	4	0.015uF	GRM188R71C153KA01D	MuRata	CAP, CERM, 0.015 $\mu$ F, 16 V,+/- 10%, X7R, 0603	0603
C5, C6, C8, C12, C16, C17	6	10pF	GRM1885C1H100JA01D	MuRata	CAP, CERM, 10 pF, 50 V,+/- 5%, C0G/NP0, 0603	0603
C7, C13	2	0.1uF	GRM188R61C104KA01D	MuRata	CAP, CERM, 0.1 $\mu$ F, 16 V,+/- 10%, X5R, 0603	0603
C9	1	1uF	GRM188R60J105KA01D	MuRata	CAP, CERM, 1 $\mu$ F, 6.3 V,+/- 10%, X5R, 0603	0603
C10, C11, C14, C15, C18, C19, C20, C21, C22, C23, C24	11	1uF	GRM188R61E105KA12D	MuRata	CAP, CERM, 1 $\mu$ F, 25 V,+/- 10%, X5R, 0603	0603
D1	1	75V	1N4148X-TP	Micro Commercial Component	Diode, Switching, 75 V, 0.3 A, SOD-523	SOD-523
D2	1	30V	BAT54WS-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOD-323	SOD-323
J1, J2, J3, J7	4		TSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	3x1 Header
J4, J5, J6	3		TSW-105-07-G-S	Samtec	Header, 100mil, 5x1, Gold, TH	5x1 Header
R1, R2, R3, R4, R6	4	499	CRCW0603499RFKEA	Vishay-Dale	RES, 499, 1%, 0.1 W, 0603	0603
R5, R8	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R7, R12, R16, R20, R21, R23, R24, R25, R28, R29	10	10.0k	RC0603FR-0710KL	Yageo America	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R9, R17, R27	3	1.00k	RC0603FR-071KL	Yageo America	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R10	1	69.8k	CRCW060369K8FKEA	Vishay-Dale	RES, 69.8 k, 1%, 0.1 W, 0603	0603
R11	1	90.9k	CRCW060390K9FKEA	Vishay-Dale	RES, 90.9 k, 1%, 0.1 W, 0603	0603
R13	1	2.00k	RC0603FR-072KL	Yageo America	RES, 2.00 k, 1%, 0.1 W, 0603	0603
R14	1	0	RC0603JR-070RL	Yageo America	RES, 0, 5%, 0.1 W, 0603	0603
R15	1	30.1k	CRCW060330K1FKEA	Vishay-Dale	RES, 30.1 k, 1%, 0.1 W, 0603	0603
R18, R19, R22, R26	4	49.9k	RC0603FR-0749K9L	Yageo America	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R30	1	42.2k	CRCW060342K2FKEA	Vishay-Dale	RES, 42.2 k, 1%, 0.1 W, 0603	0603
U1	1		SN74LV4053ADBR	Texas Instruments	Triple 2-Channel Analog Multiplexer/Demultiplexer, DB0016A, LARGE T&R	DB0016A
U2	1		INA188IDR	Texas Instruments	36-V, Zero-Drift, Rail-to-Rail-Out Instrumentation Amplifier, D0008A (SOIC-8)	D0008A
U3, U6, U7	3		OP07CD	Texas Instruments	Low-Offset Voltage Operational Amplifier, 6 to 36 V, 0 to 70 degC, 8-pin SOIC (D0008A), Green (RoHS & no Sb/Br)	D0008A
U4	1		UA78L05ACDE4	Texas Instruments	Fixed Regulator with 7 to 20 V Input and 5 V Output, 0 to 125 degC, 8-Pin SOIC (D), Green (RoHS & no Sb/Br)	D0008A
U5	1		UA78L08CDR	Texas Instruments	Fixed Regulator with 10.5 to 23 V Input and 8 V Output, 0 to 125 degC, 8-Pin SOIC (D), Green (RoHS & no Sb/Br)	D0008A
U8	1		LM2664M6	Texas Instruments	Switched Capacitor Voltage Converter, 6-pin SOT-23	MF06A

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