

PMP11474 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C11, C18, C19	4	10uF	C2012X5R1E106K125AB	TDK	CAP, CERM, 10 μ F, 25 V, +/- 10%, X5R, 0805	0805
C2, C9, C10, C13, C14	5	1uF	GRM188R61A105KA61D	MuRata	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0603	0603
C3, C4, C12, C15, C17, C20	6	0.1uF	GCM155R71C104KA55D	MuRata	CAP, CERM, 0.1 μ F, 16 V, +/- 10%, X7R, 0402	0402
C5, C7	2	10pF	500R07S100JV4T	Johanson Technology	CAP, CERM, 10 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C6	1	1000pF	C1005X7R1H102K	TDK	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0402	0402
C8	1	2.2uF	GRM188R61C225KE15D	MuRata	CAP, CERM, 2.2 μ F, 16 V, +/- 10%, X5R, 0603	0603
C16	1	100pF	C0402C101J3GACTU	Kemet	CAP, CERM, 100 pF, 25 V, +/- 5%, C0G/NP0, 0402	0402
D1	1	Blue	150060BS75000	Würth Elektronik	LED, Blue, SMD	LED_0603
J2	1		632 723 300 011	Würth Elektronik	Connector, Receptacle, USB Type C, R/A	Connector, Receptacle, USB Type C, R/A, THT/SMT
J3	1		632 712 000 011	Würth Elektronik	Plug, USB3.1 TypeC, 22 Position, R/A, SMT	Plug, USB3.1 TypeC, 22 Position, R/A, SMT
R1	1	390	CRCW0402390RJNED	Vishay-Dale	RES, 390, 5%, 0.063 W, 0402	0402
R2	1	47k	CRCW040247K0JNED	Vishay-Dale	RES, 47 k, 5%, 0.063 W, 0402	0402
R3	1	63.4k	CRCW040263K4FKED	Vishay-Dale	RES, 63.4 k, 1%, 0.063 W, 0402	0402
R4	1	0.005	WSL12065L000FEA	Vishay-Dale	RES, 0.005, 1%, 0.25 W, 1206	1206
R5, R12	2	80.6k	CRCW040280K6FKED	Vishay-Dale	RES, 80.6 k, 1%, 0.063 W, 0402	0402
R6, R11	2	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R7	1	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
R8	1	110k	CRCW0402110KFKED	Vishay-Dale	RES, 110 k, 1%, 0.063 W, 0402	0402
R9	1	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
R10	1	69.8k	CRCW040269K8FKED	Vishay-Dale	RES, 69.8 k, 1%, 0.063 W, 0402	0402
R13	1	1.37k	CRCW04021K37FKED	Vishay-Dale	RES, 1.37 k, 1%, 0.063 W, 0402	0402
S1	1		B3U-1000P	Omron Electronic Components	SWITCH TACTILE SPST-NO 0.05A 12V	3x1.6x2.5mm
U1	1		MSP430FR5949IRHAR	Texas Instruments	MSP430FR5949 16 MHz Ultra-Low-Power Microcontroller featuring 64 KB FRAM, 2 KB SRAM, 33 IO, RHA0040B	RHA0040B
U2, U3	2		TPD1E10B06DPYR	Texas Instruments	ESD in 0402 Package with 10 pF Capacitance and 6 V Breakdown, 1 Channel, -40 to +125 degC, 2-pin X2SON (DPY), Green (RoHS & no Sb/Br)	DPY0002A
U4	1		MCOT128064NZ-YM	Any	Midas Display OLED, SMD	OLED Display, 19.26x26.7mm
U5	1		INA213AIDCKR	Texas Instruments	Voltage Output, High or Low Side Measurement, Bi-Directional Zero-Drift Series Current-Shunt Monitor, DCK0006A	DCK0006A
U6	1		TPS79801QDGNRQ1	Texas Instruments	Single Output Automotive LDO, 50 mA, Adjustable 1.275 to 28 V Output, 3 to 50 V Input, 8-pin MSOP (DGN), -40 to 125 degC, Green (RoHS & no Sb/Br)	DGN0008B
U7	1		LM321MF	Texas Instruments	Low Power Single Op Amp, DBV0005A	DBV0005A
U8	1		LM4041BIDBZT	Texas Instruments	Adjustable Precision Micropower Shunt Voltage Reference, 0.2% accuracy, 15 ppm / degC, 12 mA, -40 to 85 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A

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XT1	1		MS3V-T1R 32.768KHZ +/- 20PPM 12.5PF	Micro Crystal AG	Crystal, 32.768kHz, 12.5pF, SMD	1.4x1.4x5.0mm SMD
J1	0		800-10-004-10-001000	Mill-Max	Header, 100mil, 4x1, TH	Header, 4x1, 100mil, TH
TP1, TP2	0	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint

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