

PMP11373 REV B Bill of Materials

| Designator | Quantity | Value | PartNumber | Manufacturer | Description | Package |
|---------------------|----------|--------|--------------------|------------------|--|----------------|
| C1, C5, C13, C14, | | 0.01uF | C1608X7R1H103K | TDK | CAP, CERM, 0.01 µF, 50 V, +/- 10%, X7R, 0603 | 0603 |
| C18, C20, C23, | | | | | | |
| C25, C30, C33, | | | | | | |
| C36, C38, C41 | | | | | | |
| | | | | | | |
| C2, C3, C4, C8, | 18 | 10uF | C3216X7R1V106M160A | TDK | CAP, CERM, 10 µF, 35 V, +/- 20%, X7R, 1206_190 | 1206_190 |
| C15, C16, C17, | | | С | | | |
| C21, C22, C24, | | | | | | |
| C26, C28, C29, | | | | | | |
| C34, C35, C37, | | | | | | |
| C39, C40 | | | | | | |
| C6, C42 | 2 | | | Panasonic | CAP, open, C6 case sice | |
| C7, C19 | 2 | open | | | CAP, open, 1206 | 1206 |
| C9, C10, C11, | 6 | 0.1uF | C1608X7R1H104K | TDK | CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603 | 0603 |
| C27, C31, C32 | | | | | · · | |
| C12 | 1 | 220pF | C1608C0G1H221J | TDK | CAP, CERM, 220 pF, 50 V, +/- 5%, C0G/NP0, 0603 | 0603 |
| D1, D2, D3, D4, | 20 | 100V | MBR1H100SFT3G | ON Semi | Diode, Schottky, 100 V, 1 A, SOD-123FL | SOD-123FL |
| D5, D6, D7, D8, | | | | | | |
| D9, D10, D11, | | | | | | |
| D12, D13, D14, | | | | | | |
| D15, D16, D17, | | | | | | |
| D18, D19, D20 | | | | | | |
| J1, J5, J7, J8, J9, | 6 | | ED555/3DS | On-Shore Tech | Terminal Block, 6A, 3.5mm Pitch, 3-Pos, TH | 10.5x8.2x6.5mm |
| J10 | | | | | | |
| J2, J3, J6 | 3 | | ED555/2DS | On-Shore Tech | Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH | 7.0x8.2x6.5mm |
| J4 | 1 | | PEC03SAAN | Sullins | Header, 100mil, 3x1, Tin, TH | Header, 3 PIN, |
| | | | | | | 100mil, Tin |
| R1, R13, R18 | 3 | 137k | CRCW0603137KFKEA | Vishay-Dale | RES, 137 k, 1%, 0.1 W, 0603 | 0603 |
| R2, R14, R19 | 3 | 11.8k | CRCW060311K8FKEA | Vishay-Dale | RES, 11.8 k, 1%, 0.1 W, 0603 | 0603 |
| R3, R11 | 2 | 0 | ERJ-8GEY0R00V | Panasonic | RES, 0, 5%, 0.25 W, 1206 | 1206 |
| R4, R12 | 2 | open | | | RES, open, 1206 | 1206 |
| R5 | 1 | 10.0k | CRCW080510K0FKEA | Vishay-Dale | RES, 10.0 k, 1%, 0.125 W, 0805 | 0805 |
| R6 | 1 | 12.7k | CRCW060312K7FKEA | Vishay-Dale | RES, 12.7 k, 1%, 0.1 W, 0603 | 0603 |
| R7, R17 | 2 | 1.00k | CRCW06031K00FKEA | Vishay-Dale | RES, 1.00 k, 1%, 0.1 W, 0603 | 0603 |
| R8 | 1 | 30.1k | CRCW060330K1FKEA | Vishay-Dale | RES, 30.1 k, 1%, 0.1 W, 0603 | 0603 |
| R9, R15, R20 | 3 | 32.4k | CRCW060332K4FKEA | Vishay-Dale | RES, 32.4 k, 1%, 0.1 W, 0603 | 0603 |
| R10, R16, R21 | 3 | 10.0k | CRCW060310K0FKEA | Vishay-Dale | RES, 10.0 k, 1%, 0.1 W, 0603 | 0603 |
| T1 | 1 | 530uH | G154058LF | GCI Technologies | Transformer, 530 uH, SMT | 11.8x17.9mm |
| T2 | 1 | 765 uH | G154056LF | GCI Technologies | Transformer, 765 uH, SMT | 10.8x9.5mm |
| T3, T4 | 2 | 576 uH | G154057LF | GCI Technologies | Transformer, 576 uH, SMT | 11.8x17.9mm |

| Designator | Quantity | Value | PartNumber | Manufacturer | Description | Package |
|------------------|----------|-------|----------------|-------------------|---|-----------------|
| TP1, TP2, TP3, | 21 | Red | 5000 | Keystone | Test Point, Miniature, Red, TH | Red Miniature |
| TP4, TP7, TP8, | | | | | | Testpoint |
| TP9, TP10, TP11, | | | | | | |
| TP12, TP14, | | | | | | |
| TP15, TP16, | | | | | | |
| TP18, TP19, | | | | | | |
| TP20, TP22, | | | | | | |
| TP23, TP25, | | | | | | |
| TP26, TP27 | | | | | | |
| | | | | | | |
| TP5, TP6, TP13, | 7 | Black | 5001 | Keystone | Test Point, Miniature, Black, TH | Black Miniature |
| TP17, TP21, | | | | | | Testpoint |
| TP24, TP28 | | | | | | |
| U1, U5, U6, U7, | 6 | | TPS7A4901DGNR | Texas Instruments | Single Output High PSRR LDO, 150 mA, Adjustable 1.2 to 33 | DGN0008D |
| U9, U10 | | | | | V Output, 3 to 36 V Input, with Ultra-Low Noise, 8-pin MSOP | |
| | | | | | (DGN), -40 to 125 degC, Green (RoHS & no Sb/Br) | |
| U2, U8 | 2 | | DRV8801PWPR | Texas Instruments | DMOS FULL-BRIDGE MOTOR DRIVERS, PWP0016B | PWP0016B |
| U3 | 1 | | LMC555CM/NOPB | Texas Instruments | CMOS Timer, 8-pin Narrow SOIC, Pb-Free | M08A |
| U4 | 1 | | LM4040C50IDBZR | Texas Instruments | Precision Micropower Shunt Voltage Reference, 0.5% | DBZ0003A |
| | | | | | accuracy, 5 V, 15 ppm / degC, 15 mA, -40 to 85 degC, 3-pin | |
| | | | | | SOT-23 (DBZ), Green (RoHS & no Sb/Br) | |

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