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bq27441EVM

| Designator | Quantity | Value | Description | PackageReference | PartNumber | Manufacturer | Alternate PartNumber | Alternate Manufacturer |
|---|----------|----------------|---|--------------------------------|-------------------------|--------------|----------------------|------------------------|
| IPCB | 1 | | Printed Circuit Board | | PWR582 | Any | - | - |
| C1 | 1 | 0.47uF | Capacitor, Ceramic Chip, 10V, X5R, +/-10% | 402 | C1005X5R1A474K050B B | TDK | | |
| C2 | 1 | 1.0uF | Capacitor, Ceramic Chip, 16V, X5R, +/-10% | 402 | C1005X5R1C105K050B C | TDK | | |
| J1, J4, J6, J7 | 4 | ED555/2DS | Terminal Block, 2-pin, 6-A, 3.5mm | 0.27 x 0.25 inch | ED555/2DS | OST | | |
| J2, J3, J8, J9 | 4 | PEC03SAAN | Header, Male 3-pin, 100mil spacing, | 0.100 inch x 3 | PEC03SAAN | Sullins | | |
| J5 | 1 | ED555/3DS | Terminal Block, 3-pin, 6-A, 3.5mm | 0.41 x 0.25 inch | ED555/3DS | OST | | |
| J10 | 1 | 22-05-3041 | Header, Friction Lock Ass'y, 4-pin Right Angle, | 0.400 x 0.500 inch | 22-05-3041 | Molex | | |
| J11 | 1 | PEC02SAAN | Header, Male 2-pin, 100mil spacing, | 0.100 inch x 2 | PEC02SAAN | Sullins | | |
| LBL1 | 1 | | Thermal Transfer Printable Labels, 0.650" W x 0.200" H 10,000 per roll | PCB Label 0.650"H x 0.200"W | THT-14-423-10 | Brady | | |
| R1 | 1 | 0.010 | Resistor, Power Metal Strip, 0.25W, 1% | 805 | WSL0805R0100FEA1 | Vishay | | |
| R2 | 1 | 1.8Meg | RES, 1.8Meg ohm, 5%, 0.063W, 0402 | 0402 | CRCW04021M80JNED | Vishay-Dale | | |
| R3, R4, R5 | 3 | 5.1k | RES, 5.1k ohm, 5%, 0.063W, 0402 | 0402 | CRCW04025K10JNED | Vishay-Dale | | |
| R6 | 1 | 10k | RES, 10k ohm, 5%, 0.063W, 0402 | 0402 | CRCW040210K0JNED | Vishay-Dale | | |
| SH-J2, SH- J3, SH-J8, SH-J9, SH- J11 | 5 | 1x2 | Shunt, 100mil, Gold plated, Black | Shunt | 969102-0000-DA | 3M | SNT-100-BK-G | Samtec |
| TP1, TP7, TP9 | 3 | 5001 | Test Point, Black, Thru Hole Color Keyed | 0.100 x 0.100 inch | 5001 | Keystone | | |
| TP2, TP3, TP11, TP12 | 4 | 5002 | Test Point, White, Thru Hole Color Keyed | 0.100 x 0.100 inch | 5002 | Keystone | | |
| TP4, TP5, TP6, TP8, TP10 | 5 | 5000 | Test Point, Red, Thru Hole Color Keyed | 0.100 x 0.100 inch | 5000 | Keystone | | |
| U1 | 1 | BQ27441DRZ-G1A | IC, Single-Cell Impedance Track Gas Gauge | QFN12 | BQ27441DRZ-G1A | TI | | None |
| FID1, FID2, FID3 | 0 | | Fiducial mark. There is nothing to buy or mount. | Fiducial | N/A | N/A | | |

Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.

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