

Filename: SV012986B(002)_BOM.xls
 Variant: 002
 Generated: 3/9/2016 11:40:16 AM
 SVN path: \$URL::
 SVN rev: \$Rev::

\$

DP83848K-MAU-EK

| Designator | Quantity | Value | Description | PackageReference | PartNumber | Manufacturer | Alternate PartNumber | Alternate Manufacturer |
|--|----------|---------|---|------------------------|--------------------|-------------------|----------------------|------------------------|
| IPC | 1 | | Printed Circuit Board | | SV012986 | Any | | |
| C3, C4 | 2 | 18pF | CAP, CERM, 18 pF, 50 V, +/- 5%, C0G/NP0, 0603 | 0603 | GRM1885C1H180JA01D | MuRata | | |
| C12, C13, C14, C22, C24, C25, C26 | 7 | 0.1uF | CAP, CERM, 0.1 uF, 16 V, +/- 10%, X5R, 0603 | 0603 | GRM188R61C104KA01D | MuRata | | |
| C15, C19 | 2 | 10uF | CAP, CERM, 10 uF, 10 V, +/- 20%, X5R, 0805 | 0805 | C0805C106M8PACTU | Kemet | | |
| C21 | 1 | 1500pF | CAP, CERM, 1500 pF, 2000 V, +/- 10%, X7R, 1808 | 1808 | GR442QR73D152KW01L | MuRata | | |
| C23 | 1 | 1uF | CAP, CERM, 1 uF, 10 V, +/- 10%, X5R, 0805 | 0805 | GRM216R61A105KA01D | MuRata | | |
| J1 | 1 | | Header, 100mil, 18x2, Gold, TH | 18x2 Header | TSW-118-07-G-D | Samtec | | |
| J10 | 1 | | Header, 1x1, Tin, TH | Header, 1x1, 50mil, TH | TMS-101-02-T-S | Samtec | | |
| J13 | 1 | | Connector, RJ-45 with integrated magnetics, 1x1, Gold, R/A, TH | Connector, RJ-45 | J0011D21BNL | Pulse Engineering | | |
| J15 | 1 | | Header, 100mil, 3x1, Gold, TH | 3x1 Header | TSW-103-07-G-S | Samtec | | |
| L2 | 1 | 120 ohm | Ferrite Bead, 120 ohm @ 100 MHz, 0.8 A, 0805 | 0805 | BLM21AG121SN1D | MuRata | | |
| R1 | 1 | 1.50k | RES, 1.50 k, 1%, 0.063 W, 0402 | 0402 | CRCW04021K50FKED | Vishay-Dale | | |
| R2, R3, R4, R5, R6, R7, R8, R9, R15, R16 | 10 | 47 | RES, 47, 5%, 0.063 W, 0402 | 0402 | CRCW040247R0JNED | Vishay-Dale | | |
| R10, R11, R12, R13, R14 | 5 | 33 | RES, 33, 5%, 0.063 W, 0402 | 0402 | CRCW040233R0JNED | Vishay-Dale | | |
| R23 | 1 | 1.0Meg | RES, 1.0 M, 5%, 0.063 W, 0402 | 0402 | CRCW04021M00JNED | Vishay-Dale | | |
| R24 | 1 | 4.87k | RES, 4.87 k, 1%, 0.063 W, 0402 | 0402 | CRCW04024K87FKED | Vishay-Dale | | |
| R25, R26, R27, R28 | 4 | 49.9 | RES, 49.9, 1%, 0.1 W, 0603 | 0603 | CRCW060349R9FKEA | Vishay-Dale | | |
| R33, R34 | 2 | 0 | RES, 0, 5%, 0.063 W, 0402 | 0402 | CRCW04020000Z0ED | Vishay-Dale | | |
| R38, R42 | 2 | 274 | RES, 274, 1%, 0.063 W, 0402 | 0402 | CRCW0402274RFKED | Vishay-Dale | | |
| U1 | 1 | | PHYTER® Mini LS Commercial Temperature Single Port 10/100 Mb/s Ethernet Transceiver, 40-pin LLP | SQA40B | DP83848JSQ | Texas Instruments | | |
| Y1 | 1 | | Quartz Crystal Resonator, 25 MHz, SMD | 7x5mm | EA5070PA18-25.000M | Ecliptek | | |
| R29, R30, R31 | 0 | 2.2k | RES, 2.2 k, 5%, 0.063 W, 0402 | 0402 | CRCW04022K20JNED | Vishay-Dale | | |

Notes:

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