

XR-AVB-LC-BRD-2V0-BOM

| ITEM | QTY | REFERENCE   | ATTERO P/N   | MANUFACTURER    | DESCRIPTION                                     | MANUFACTURER P/N     | NOTES |
|------|-----|---|--------------|-----------------|---|----------------------|-------|
| 1    | 13  | C21 C22 C23 C24 C75 C76 C77 C78 C79 C80 C81 C82 C85   | 001-00007-01 | MURATA          | CAP, 1000PF, 50V, 10%, X7R, 0603                | GRM188R71H102KA01D   | 1     |
| 2    | 2   | C10 C11   | 001-00045-01 | MURATA          | CAP, 180PF, 50V, 5%, C0G, 0603                  | GRM1885C1H181JA01D   | 1     |
| 3    | 3   | C17 C18 C19   | 001-00111-01 | PANASONIC       | CAP, 3.3UF, 35V, 20%, ELYT, VS, SMT A           | EEE-1VS3R3SR         | 1     |
| 4    | 20  | C1 C5 C6 C7 C12 C14 C25 C31 C33 C34 C52 C58 C59 C70 C71 C72 C73 C74 C83 C84                                   | 001-00157-01 | MURATA          | CAP, 0.1UF, 25V, 10%, X7R, 0603                 | GRM188R71E104KA01D   | 1     |
| 5    | 11  | C2 C3 C4 C8 C9 C13 C26 C37 C54 C57 C86  | 001-00230-01 | MURATA          | CAP, 1.0UF, 16V, 10%, X5R, 0603                 | GRM188R61C105KA93D   | 1     |
| 6    | 1   | C55   | 001-00250-01 | AVX             | CAP, 1000PF, 2KV, 10%, X7R, 1206                | 1206GC102KAT1A       | 1     |
| 7    | 11  | C20 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69   | 001-00273-01 | MURATA          | CAP, 10UF, 6.3V, 20%, X5R, 0603                 | GRM188R60J106ME47D   | 1     |
| 8    | 8   | C46 C47   | 001-00302-01 | MURATA          | CAP, 0.1UF, 10V, 10%, X5R, 0402                 | GRM155R61A104KA01D   | 1     |
| 9    | 2   | C27 C35   | 001-00310-01 | PANASONIC       | CAP, 47UF, 6.3V, 20%, ELYT, VS, SMT C           | EEE-0JA470SR         | 1     |
| 10   | 4   | C30 C36 C38 C39   | 001-00363-01 | MURATA          | CAP, 4.7UF, 6.3V, 10%, X5R, 0603                | GRM188R60J475KE19D   | 1     |
| 11   | 3   | C15 C16 C29   | 001-00385-01 | MURATA          | CAP, 2700PF, 50V, 5%, C0G, 0603                 | GRM1885C1H272JA01D   | 1     |
| 12   | 4   | C48 C49 C50 C51   | 001-00426-01 | MURATA          | CAP, 0.1UF, 100V, 10%, X7R, 0603                | GRM188R72A104KA35D   | 1     |
| 13   | 3   | R8 R17 R53  | 020-00004-01 | PANASONIC       | RES, 0.0 OHM, 1/10W, 5%, 0603                   | ERJ-3GEY0R00V        | 1     |
| 14   | 21  | R6 R9 R27 R32 R33 R34 R37 R38 R39 R42 R49 R75 R77 R79 R80 R84 R85 R92 R93 R94 R99                             | 020-00021-01 | PANASONIC       | RES, 10.0K, 1/10W, 1%, 0603                     | ERJ-3EKF1002V        | 1     |
| 15   | 3   | R25 R26 R51   | 020-00062-01 | PANASONIC       | RES, 1.00K, 1/10W, 1%, 0603                     | ERJ-3EKF1001V        | 1     |
| 16   | 2   | R73 R74   | 020-00118-01 | PANASONIC       | RES, 2.00K, 1/10W, 1%, 0603                     | ERJ-3EKF2001V        | 1     |
| 17   | 2   | R29 R31   | 020-00168-01 | PANASONIC       | RES, 3.32K, 1/10W, 1%, 0603                     | ERJ-3EKF3321V        | 1     |
| 18   | 2   | R28 R30   | 020-00235-01 | PANASONIC       | RES, 6.81K, 1/10W, 1%, 0603                     | ERJ-3EKF6811V        | 1     |
| 19   | 10  | R1 R2 R3 R4 R5 R7 R10 R35 R36 R71   | 020-00284-01 | PANASONIC       | RES, 470 OHM, 1/10W, 1%, 0603                   | ERJ-3EKF4700V        | 1     |
| 20   | 27  | R11 R12 R13 R14 R15 R16 R20 R21 R22 R23 R24 R54 R55 R58 R59 R61 R62 R63 R64 R65 R68 R69 R70 R81 R82 R100 R101 | 020-00295-01 | PANASONIC       | RES, 49.9 OHM, 1/10W, 1%, 0603                  | ERJ-3EKF49R9V        | 1     |
| 21   | 4   | R56 R57 R66 R67   | 020-00296-01 | PANASONIC       | RES, 75.0 OHM, 1/10W, 1%, 0603                  | ERJ-3EKF75R0V        | 1     |
| 22   | 1   | R98   | 020-00345-01 | PANASONIC       | RES, 10.0 OHM, 1/10W, 1%, 0603                  | ERJ-3EKF10R0V        | 1     |
| 23   | 2   | R18 R78   | 020-00395-01 | PANASONIC       | RES, 2.49K, 1/10W, 1%, 0603                     | ERJ-3EKF2491V        | 1     |
| 24   | 1   | R19   | 020-00421-01 | PANASONIC       | RES, 12.1K, 1/10W, 1%, 0603                     | ERJ-3EKF1212V        | 1     |
| 25   | 1   | R44   | 020-00544-01 | PANASONIC       | RES, 2.2 OHM, 1/10W, 1%, 0603                   | ERJ-3RQF2R2V         | 1     |
| 26   | 1   | R76   | 020-00618-01 | PANASONIC       | RES, 30.9K, 1/10W, 1%, 0603                     | ERJ-3EKF3092V        | 1     |
| 27   | 2   | L1 L2   | 040-00140-01 | PANASONIC       | IND, PWR, 3.3UH, 1.7A, 30%, SMD                 | ELL-6PG3R3N          | 1     |
| 28   | 1   | T1  | 050-00013-01 | PULSE ENG       | XFMR, ETHERNET, 10/100BASE-T, SINGLE, POE, SMT  | H2019NL              | 1     |
| 29   | 2   | U15 U16   | 060-00347-01 | FAIRCHILD SEMI  | IC LNR, REG, SW, 1.5A, MLP-6                    | FAN2012MPX           | 1     |
| 30   | 1   | U17   | 060-00348-01 | FAIRCHILD       | IC LNR, REG, 100MA, 3.3V, SOT23-5               | FAN2500S33X          | 1     |
| 31   | 1   | U14   | 061-00498-01 | TEXAS INST      | IC DIG, BUFFER, OPEN DRAIN, DUAL, SOT23-6       | SN74LVC2G07DBVR      | 1     |
| 32   | 1   | U6  | 061-00500-01 | CIRRUS LOGIC    | IC DIG, FRACTIONAL-N CLOCK MULTIPLIER, MSOP-10  | CS2300-CP-CZZ        | 1     |
| 33   | 1   | U13   | 061-00501-01 | TEXAS INST      | IC DIG, SUPERVISOR, ACTIVE LOW, 0.9V, SOT23-6   | TPS3808G09DBVR       | 1     |
| 34   | 1   | U12   | 061-00502-01 | TEXAS INST      | IC DIG, SUPERVISOR, ACTIVE LOW, 3.0V, SOT23-6   | TPS3808G30DBVR       | 1     |
| 35   | 2   | U10 U11   | 061-00505-01 | TEXAS INST      | IC DIG, BUFFER, DUAL, SCHMITT, SOT23-6          | SN74LVC2G17DBVR      | 1     |
| 36   | 1   | U3  | 061-00507-01 | SMSC            | IC DIG, PHY, FAST ETHERNET, QFN-32              | LAN8710A-EZK         | 1     |
| 37   | 1   | U1  | 061-00509-01 | XMOS            | IC DIG, MPU, 32-BIT, DUAL CORE, 500MHZ, QFN-124 | XS1-L02A-QF124-C5    | 1     |
| 38   | 1   | U2  | 061-00510-01 | WINBOND         | IC DIG, FLASH, SPI, 4MBIT, 104MHZ, SOIC-8       | W25X40BVSSIG         | 1     |
| 39   | 1   | U5  | 062-00008-01 | CIRRUS LOGIC    | IC MXS, DAC, STEREO, 24BIT, 192KHZ, TSSOP-10    | CS4344-CZZ           | 1     |
| 40   | 1   | U4  | 062-00058-01 | CIRRUS LOGIC    | IC MXS, ADC, STEREO, 24BIT, 96KHZ, TSSOP-10     | CS5343-CZZ           | 1     |
| 41   | 4   | D2 D3 D4 D5   | 070-00077-01 | FAIRCHILD SEMI  | DIODE, SKY, 200MA, 30V, DUAL, SERIES, SOT-23    | BAT54S               | 1     |
| 42   | 1   | D1  | 070-00176-01 | DIODES INC      | DIODE, SKY, 1A, 30V, POWERDI-123                | DFLS130L-7           | 1     |
| 43   | 1   | D6  | 070-00177-01 | LITTELFUSE      | DIODE, ZENER, 5V, 600W, SMB                     | SMBJ5.0A             | 1     |
| 44   | 1   | Q2  | 071-00075-01 | FAIRCHILD SEMI  | TRAN, PNP, 40V, 200MA, SOT23-3                  | MMBT3906             | 1     |
| 45   | 1   | Q1  | 071-00078-01 | ROHM            | TRAN, NPN, 20V, 500MA, DUAL, SC74-6             | IMX9T110             | 1     |
| 46   | 1   | U7  | 102-00018-01 | FOX ELECTRONICS | OSC, 25MHZ, 50PPM, 3.3V, SMT                    | FXO-HC735-25MHZ      | 1     |
| 47   | 1   | J1  | 110-00065-01 | CUI INC         | CON, PWR JACK, 2.1MM, RA, THRU                  | PJ-202A              | 1     |
| 48   | 2   | J2 J4   | 110-00294-01 | CUI INC         | CON, RCA, 2X1, RED/WHITE, RA, THRU              | RCJ-2223             | 1     |
| 49   | 2   | J3 J5   | 110-00295-01 | CUI INC         | CON, TRS JACK, 3.5MM, RA, THRU                  | SJ1-3523N            | 1     |
| 50   | 1   | J6  | 110-00297-01 | TYCO            | CON, RECEIPT, 8P8C, CAT5, TAB DOWN, RA, THRU    | 5558342-1            | 1     |
| 51   | 1   | J12   | 115-00005-01 | SAMTEC          | HEADER, 1X2, 0.1", THRU                         | TSW-102-07-G-S       | 1     |
| 52   | 1   | J11   | 115-00052-01 | SAMTEC          | HEADER, 2X3, 0.1", THRU                         | TSW-103-07-G-D       | 1     |
| 53   | 1   | J7  | 115-00110-01 | SAMTEC          | HEADER, 2X14, 0.1", THRU                        | TSW-114-07-G-D       | 1     |
| 54   | 1   | J8  | 115-00113-01 | SULLINS         | CONN, HEADER, SHROUDED, 2.54MM, 2x10POS, R/A    | SBH11-PBPC-D10-RA-BK | 1     |
| 55   | 4   | S1 S2 S3 S4   | 120-00011-02 | PANASONIC       | SWITCH, SPST, NO, VERT, SMT                     | EVQ-PE104K           | 1     |
| 56   | 13  | FB1 FB2 FB3 FB4 FB5 FB6 FB7 FB8 FB9 FB10 FB11 FB12 FB13   | 145-00013-01 | MURATA          | FERRITE BEAD, 220 OHM, 500MA, 0603              | BLM18AG221SN1        | 1     |
| 57   | 9   | LED1 LED2 LED3 LED4 LED5 LED6 LED7 LED10 LED11  | 165-00003-01 | PANASONIC       | LED, GREEN, 2.1V, SMT                           | LN1351CTR            | 1     |
| 58   | 1   | F1  | 180-00015-01 | TYCO            | FUSE, POLYSWITCH, RESTABLE, 0.75A, 13.2V, 1812  | MINISMD075F-2        | 1     |
| 59   | 1   |   | 240-00139-01 | ATTERO TECH     | PCB, AVB DEMO BOARD                             | 240-00139-01-B       | 1     |
| 60   | REF |   | 600-00139-01 | ATTERO TECH     | SCHEMATIC, AVB DEMO BOARD                       | 600-00139-01-B       | 1     |

## NOT INSTALLED COMPONENTS

|   |   |     |              |  |  |  |   |
|---|---|-----|--------------|--|--|--|---|
| 1 | 1 | TL5 | 116-00010-01 |  |  |  | 2 |
| 2 | 1 | TL4 | 116-00017-01 |  |  |  | 2 |
| 3 | 1 | TL2 | 116-00012-01 |  |  |  | 2 |
| 4 | 1 | TL1 | 116-00009-01 |  |  |  | 2 |
| 5 | 1 | TL6 | 116-00011-01 |  |  |  | 2 |
| 6 | 1 | TL3 | 116-00013-01 |  |  |  | 2 |

NOTE#1: Equivalent device substitutions can be made for these items at the discretion of the manufacturer. It is the responsibility of the manufacturer to verify device equivalency. Any nonequivalent device substitution will require written authorization. Unique parts will not have subs.

NOTE#2: These items are not to be installed or included in purchase quantities.