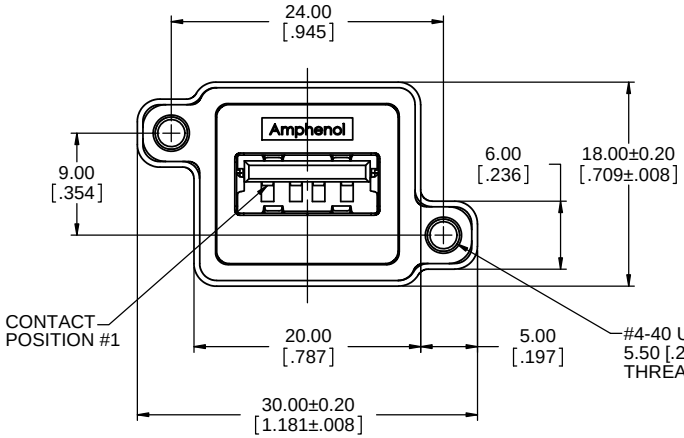
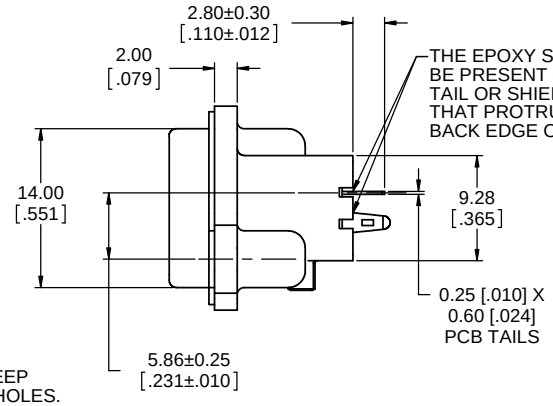
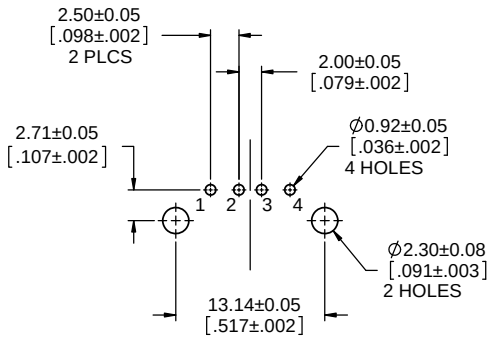
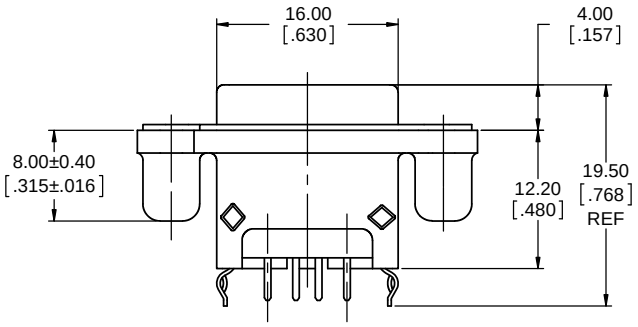
| REVISIONS | | | |
|---|---|---|---|
| REV | DESCRIPTION, ECN, EAR NO. | DATE | APP'D |
| A | PRODUCT DRAWING (EAR 14201) | JUN06/13 | K.L. |
| | | | |

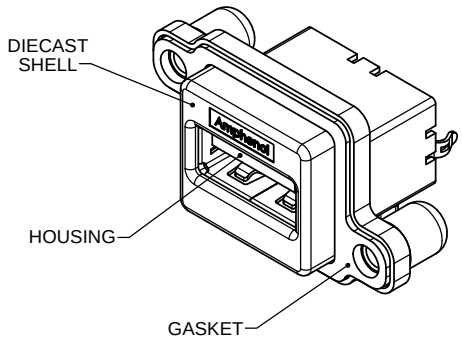


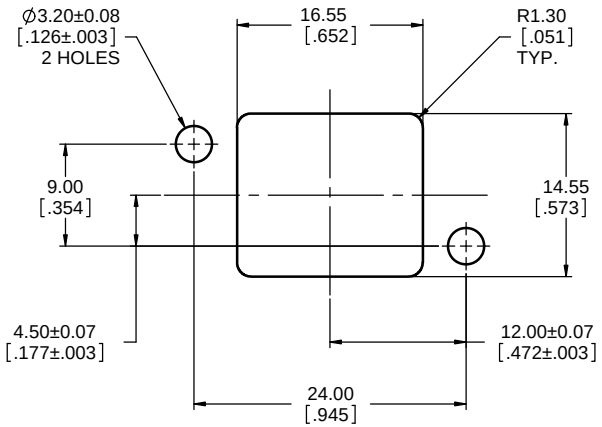



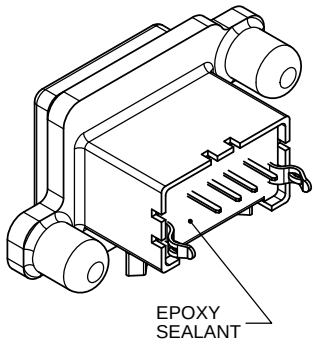

**RECOMMENDED PCB LAYOUT**
COMPONENT SIDE OF BOARD




**RECOMMENDED PANEL CUTOUT**
OUTSIDE FACE OF PANEL




**NOTES:**

1. MATERIAL:
   ALL MATERIALS ARE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS
   - OUTER SHELL - DIECAST ZINC, NICKEL PLATED
   - CONTACTS - COPPER ALLOY WITH 30 MICROINCHES (0.76 MICRONS) GOLD OVER 50 MICROINCHES (1.27 MICRONS) MINIMUM NICKEL ON THE MATING AREA AND TIN ON THE CONTACT TAILS.
   - USB HOUSING - ENGINEERING THERMOPLASTIC, HIGH TEMPERATURE RESISTANT, UL FLAMMABILITY RATING 94V-0, COLOUR: BLACK
   - USB SHIELD: COPPER ALLOY, NICKEL PLATED
   - GASKET: SILICONE RUBBER, BLACK.
2. ENVIRONMENTAL PERFORMANCE PER IEC 60529 CODE IP67 FOR SEAL BETWEEN MATING AREA AND PCB SIDE OF CONNECTOR. GASKET PROVIDES SEAL TO INSIDE FACE OF ENCLOSURE PANEL. AVAILABLE DUST COVER PROVIDES ADDED PROTECTION.
3. CURRENT RATING: 1.5 AMPERES
4. CONTACT RESISTANCE: 30 MILLIOHMS MAXIMUM
5. OPERATING TEMPERATURE: -40°C TO +105°C
6. DUST COVERS MAY BE ORDERED SEPARATELY. SPECIFY
   - MUSB-2A111-014BP FOR GREY DUST COVER
   - MUSB-2A111-024BP FOR BLACK DUST COVER
7. SPECIAL EPOXY APPLICATION CONTROL. THE EPOXY SEALANT SHALL NOT BE PRESENT ON ANY CONTACT TAIL OR SHIELD TAIL SURFACES THAT PROTRUDE BEYOND THE BACK EDGE OF THE SHELL

**AMPHENOL PART NUMBER: MUSB-A511-005**

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| | | | |
|---|---|---|---|
| UNLESS SPECIFIED OTHERWISE | DRAWN YE GUAN | JUN05/13 | **Amphenol Canada Corp.** www.amphenolcanada.com |
| PRIMARY UNITS MILLIMETERS | CHECKED | | MUSB SERIES RUGGED USB RECEPTACLE, TYPE A, VERTICAL PCB TAIL, EPOXY FREE CONTACT & SHIELD TAILS, RoHS COMPLIANT |
| SECONDARY INCHES | M.E. APP'D | | |
| REFERENCE IN PARENTHESES | Q.A. APP'D | | |
| GENERAL TOLERANCES | DWG APPR. K.LAMBIE | JUN06/13 | |
| 1 DECIMAL PLACE | ENG. REL. NO. EAR 14146 | | DWG. NO. P-MUSB-A511-005 REV A |
| 2 DECIMAL PLACES ±0.15 | REF. | | |
| 3 DECIMAL PLACES | THIRD ANGLE PROJECTION | DO NOT SCALE DRAWING | CODE ID NO. 03554 DWG SIZE: X SCALE: 3:1 SHEET 1 OF 1 |
| ANGULAR DEGREES | | | |