

ORDERING CODE: MUSB-E151-XX

SERIES, RUGGED USB

USB 'MINI-AB' RECEPTACLE,
SINGLE PORT, RIGHT ANGLE PCB
TAILS

REAR SHIELD & THREAD OPTION

0=NO REAR SHIELD, #2-56 UNC THREAD
3= WITH REAR SHIELD, #2-56 UNC THREAD
M= WITH REAR SHIELD, M2.5 X 0.45 THREAD
N= NO REAR SHIELD, M2.5 X 0.45 THREAD

DUST COVER OPTION

0=NO DUST COVER SUPPLIED
1=WITH GREY DUST COVER SUPPLIED
4=NO DUST COVER SUPPLIED
5=WITH BLACK DUST COVER SUPPLIED

NOTE: THERE IS NO DIFFERENCE
BETWEEN DUST COVER OPTIONS '0' AND '4'

SPECIAL CONNECTORS:

MANY UNIQUE FEATURES ARE READILY AVAILABLE
TO SUIT CUSTOMER REQUIREMENTS. CONSULT WITH
AMPHENOL CANADA FOR DETAILS.

NOTES:

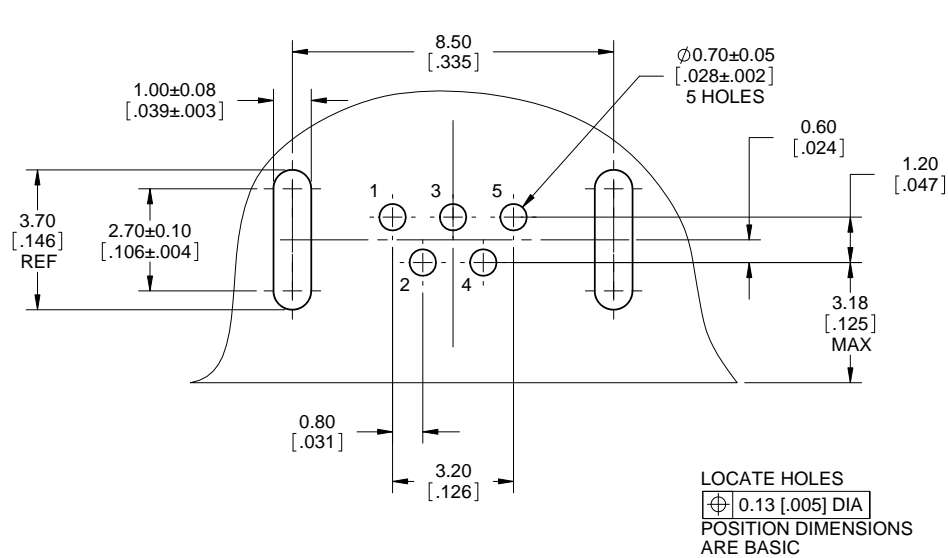
- MATERIAL:**
ALL MATERIALS ARE RoHS COMPLIANT PER EU DIRECTIVE 2002/95/EC AND AMENDMENTS
 - OUTER SHELL: DIE CAST ZINC ALLOY, NICKEL PLATED
 - CONTACTS: PHOSPHOR BRONZE, PLATED WITH 0.76 MICRONS [30u"] GOLD OVER 1.27 MICRONS [50u"] MINIMUM NICKEL ON THE MATING AREA WITH TIN OVER NICKEL ON THE TAILS.
 - USB HOUSING: ENGINEERING THERMOPLASTIC, FLAMMABILITY RATING UL94V-0, BLACK.
 - USB SHELL & REAR SHIELD: COPPER ALLOY, NICKEL PLATED
 - GASKET: PORON WITH ADHESIVE BACKING.
 - DUST COVER: SILICONE RUBBER WITH NICKEL PLATED COPPER ALLOY BUSHING.
- 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 COVERS PROVIDE ADDED PROTECTION. SEE SHEET 2 FOR APPLICATION VIEW.
- CURRENT RATING: 1 AMPERE.
- CONTACT RESISTANCE: 50 MILLIOHMS MAXIMUM.
- OPERATING TEMPERATURE: -40 °C TO +105 °C.
- DUST COVERS MAY BE ORDERED SEPARATELY. SPECIFY
 - PART NUMBER MUSB-2E151-005BP FOR GREY COVER
 - PART NUMBER MUSB-2E151-015BP FOR BLACK COVER
- RECOMMENDED TORQUE FOR PANEL MOUNT SCREWS: 0.23 TO 0.34 N.m (2.00 TO 3.00 IN-LBS) FOR SCREWS WITH 2.50mm (.098") THREAD ENGAGEMENT.
- RECOMMENDED ENCLOSURE PANEL: 1.20 TO 2.50mm (.047 TO .098") THICK.



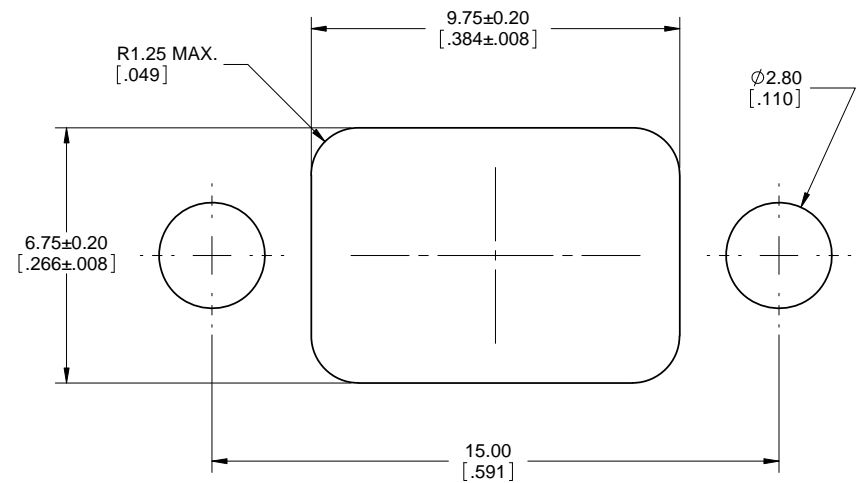
| | | | |
|----------------------------|------------------------|-----------|----------|
| UNLESS SPECIFIED OTHERWISE | DRAWN | S.SEMENOV | AUG31/06 |
| PRIMARY UNITS MILLIMETERS | CHECKED | | |
| SECONDARY UNITS INCHES | M.E. APP'D | | |
| REFERENCE IN PARENTHESES | Q.A. APP'D | | |
| GENERAL TOLERANCES | DWG APPR. | A.GREEN | AUG31/06 |
| 1 DECIMAL PLACE ±0.25 | ENG. REL. NO. | | |
| 2 DECIMAL PLACES ±0.10 | REF. | | |
| 3 DECIMAL PLACES ±0.05 | THIRD ANGLE PROJECTION | | |
| ANGULAR DEGREES ±1° | DO NOT SCALE DRAWING | | |

| | | | |
|--|-------------|------------|--------------|
| Amphenol Canada Corp. www.amphenolcanada.com MUSB SERIES RUGGED MINI-AB USB RECEPTACLE, RIGHT ANGLE PCB TAIL, THREAD & COVER OPTIONS, RoHS COMPLIANT | | | |
| P-MUSB-E151-XX | | | REV F |
| CODE ID NO. 03554 | DWG SIZE: C | SCALE: 5:1 | SHEET 1 OF 2 |

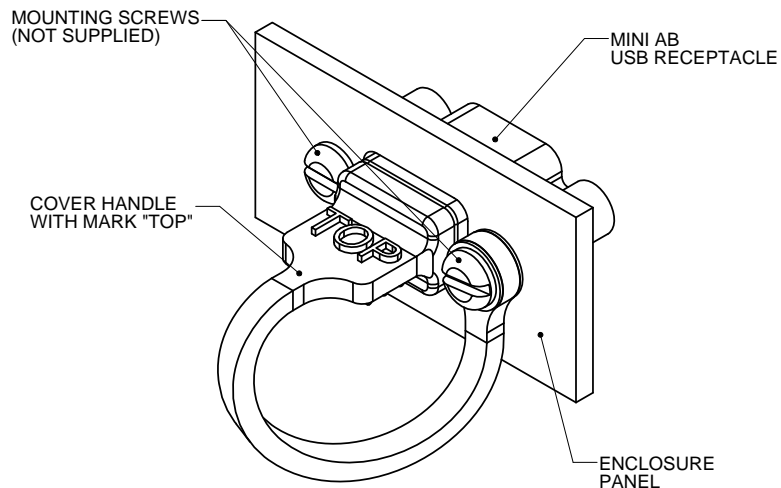
| REVISIONS | | | |
|-----------|-----------------------------|----------|-------|
| REV | DESCRIPTION, ECN, EAR NO. | DATE | APP'D |
| E | REV PER EAR 13750 | MAR21/11 | K.L. |
| F | PRODUCT DRAWING (EAR 14113) | AUG23/12 | K.L. |



RECOMMENDED P.C.B LAYOUT
COMPONENT SIDE OF BOARD




RECOMMENDED PANEL CUTOUT



DUST COVER APPLICATION



| | | | | | | | | |
|----------------------------|-------|--|-----------|----------|---|--|--|--|
| UNLESS SPECIFIED OTHERWISE | | DRAWN | S.SEMENOV | AUG31/06 | <div>Amphenol Canada Corp.</div> <div>www.amphenolcanada.com</div> <div>MUSB SERIES RUGGED MINI-AB USB RECEPTACLE, RIGHT ANGLE PCB TAIL, THREAD & COVER OPTIONS, RoHS COMPLIANT</div> | | | |
| PRIMARY UNITS MILLIMETERS | | CHECKED | | | | | | |
| SECONDARY INCHES | | M.E. APP'D | | | | | | |
| REFERENCE IN PARENTHESES | | Q.A. APP'D | | | | | | |
| GENERAL TOLERANCES | | DWG APPR. | A.GREEN | AUG31/06 | <div>DWG. NO.</div> <div>P-MUSB-E151-XX</div> <div>REV F</div> <div>CODE ID NO. 03554 DWG SIZE: C SCALE: 5:1 SHEET 2 OF 2</div> | | | |
| 1 DECIMAL PLACE | ±0.25 | ENG. REL. NO. | | | | | | |
| 2 DECIMAL PLACES | ±0.10 | REF. | | | | | | |
| 3 DECIMAL PLACES | | THIRD ANGLE PROJECTION | | | | | | |
| ANGULAR DEGREES | ±1° | <div>DO NOT SCALE DRAWING</div> <div></div> | | | | | | |