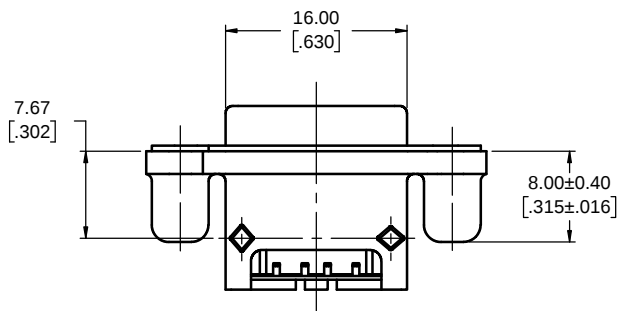
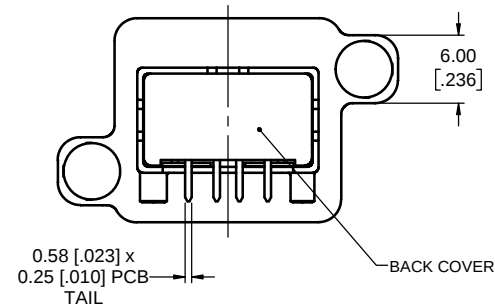
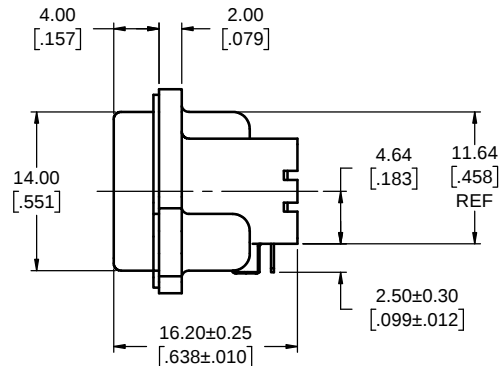
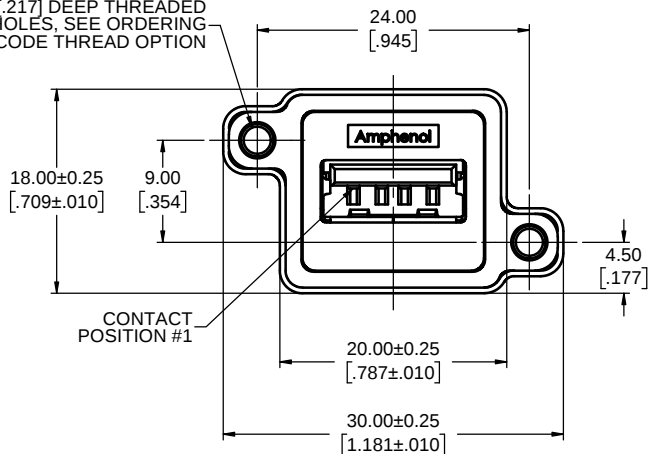


5.50 [.217] DEEP THREADED HOLES, SEE ORDERING CODE THREAD OPTION



ORDERING CODE: **MUSB-A111-XX**

SERIES, RUGGED USB

USB SERIES 'A' RECEPTACLE, SINGLE PORT, RIGHT ANGLE PCB TAIL

THREAD OPTION  
3 = #4-40 UNC THREAD  
M = M3 x 0.5 THREAD

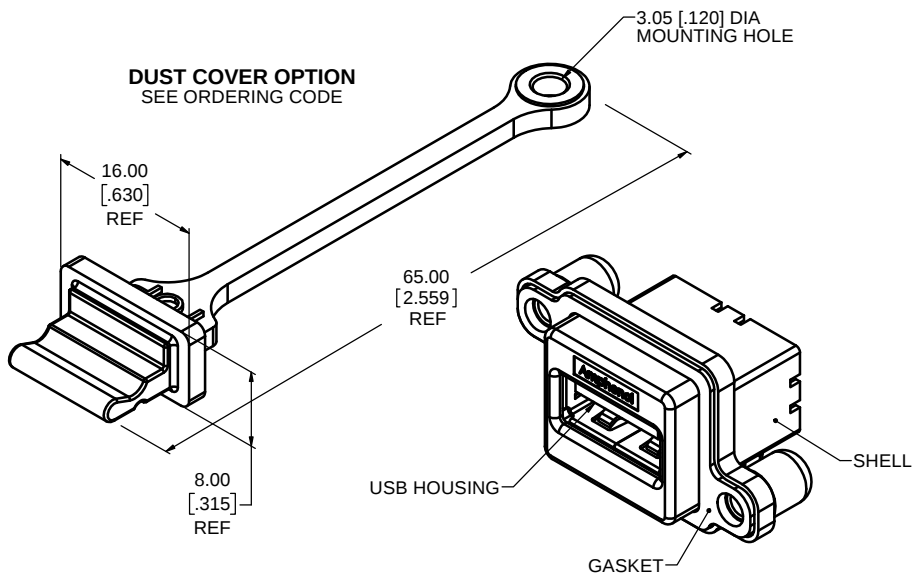
DUST COVER OPTION  
0 = NO DUST COVER SUPPLIED  
1 = WITH GREY DUST COVER SUPPLIED  
5 = WITH BLACK DUST COVER SUPPLIED

**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 2011/65/EU AND AMENDMENTS
  - OUTER SHELL - DIECAST ZINC ALLOY, NICKEL PLATED
  - CONTACTS - PHOSPHOR BRONZE, PLATED WITH 0.76 MICRONS (30 MICROINCHES) GOLD OVER 1.27 MICRONS (50 MICROINCHES) MINIMUM NICKEL ON THE MATING AREA WITH TIN PLATING ON THE TAILS.
  - USB HOUSING - ENGINEERING THERMOPLASTIC, HIGH TEMPERATURE RESISTANT, FLAMMABILITY RATING UL94V-0, BLACK.
  - USB SHELL & BACK COVER - COPPER ALLOY, NICKEL PLATED
  - GASKET - SILICONE RUBBER, BLACK
  - DUST COVER - SILICONE RUBBER WITH NICKEL PLATED BRASS MOUNTING INSERT. SEE ORDERING CODE FOR DUST COVER COLOUR OPTIONS.
- 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.
- CURRENT RATING: 1.5 AMPERES
- CONTACT RESISTANCE: 30 MILLIOHMS MAXIMUM.
- OPERATING TEMPERATURE: -40°C TO +105°C.
- DUST COVERS MAY BE ORDERED SEPARATELY. SPECIFY
  - PART NUMBER MUSB-2A111-014BP FOR THE GREY COVER OR
  - PART NUMBER MUSB-2A111-024BP FOR THE BLACK COVER.

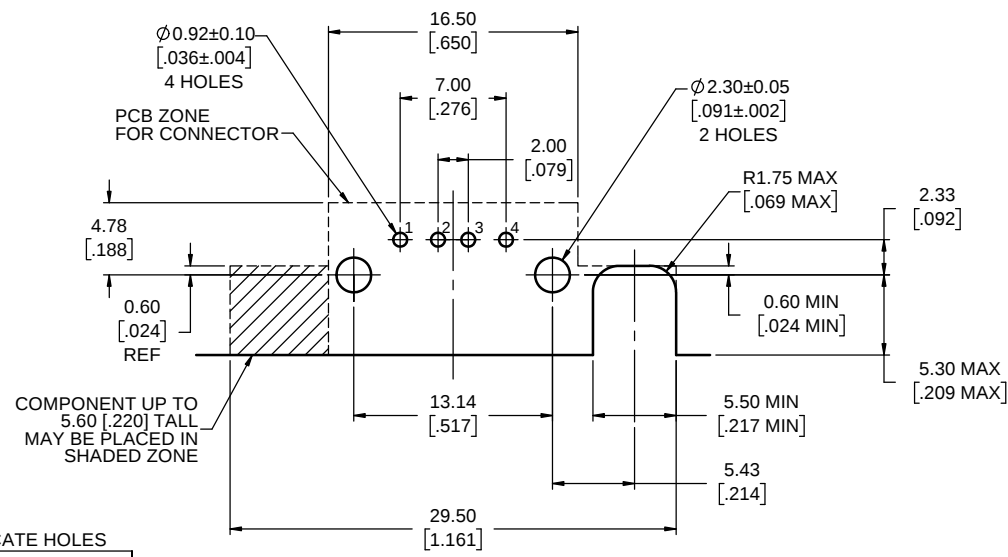
**DUST COVER OPTION**  
SEE ORDERING CODE



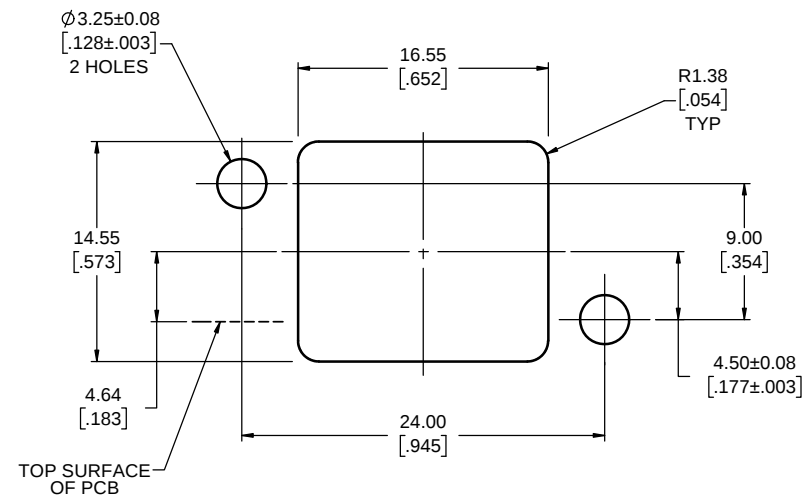
|                             |                        |           |         |
|-----------------------------|------------------------|-----------|---------|
| UNLESS SPECIFIED OTHERWISE  | DRAWN                  | S.SEMENOV | MAR1/07 |
| PRIMARY UNITS - MILLIMETERS | CHECKED                | S.SEMENOV | MAR1/07 |
| SECONDARY - INCHES          | M.E. APPD              |           |         |
| REFERENCE IN PARENTHESES    | Q.A. APPD              |           |         |
| GENERAL TOLERANCES          | DWG APPR.              | A.GREEN   | MAR1/07 |
| 1 DECIMAL PLACE             | ENG. REL. NO.          |           |         |
| 2 DECIMAL PLACES ±0.15      | REF.                   |           |         |
| 3 DECIMAL PLACES            |                        |           |         |
| ANGULAR DEGREES             | THIRD ANGLE PROJECTION |           |         |

|                                                                                                                                         |                |             |            |
|-----------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|------------|
| <b>Amphenol Canada Corp.</b><br>www.amphenolcanada.com                                                                                  |                |             |            |
| MUSB SERIES RUGGED USB CONNECTOR, SERIES 'A' RECEPTACLE, SINGLE PORT, RIGHT ANGLE PCB TAIL, THREAD & DUST COVER OPTIONS, RoHS COMPLAINT |                |             |            |
| DWG. NO.                                                                                                                                | P-MUSB-A111-XX |             |            |
| CODE ID NO.                                                                                                                             | 03554          | DWG SIZE: X | SCALE: 3:1 |
| SHEET                                                                                                                                   | 1 OF 2         | REV F       |            |

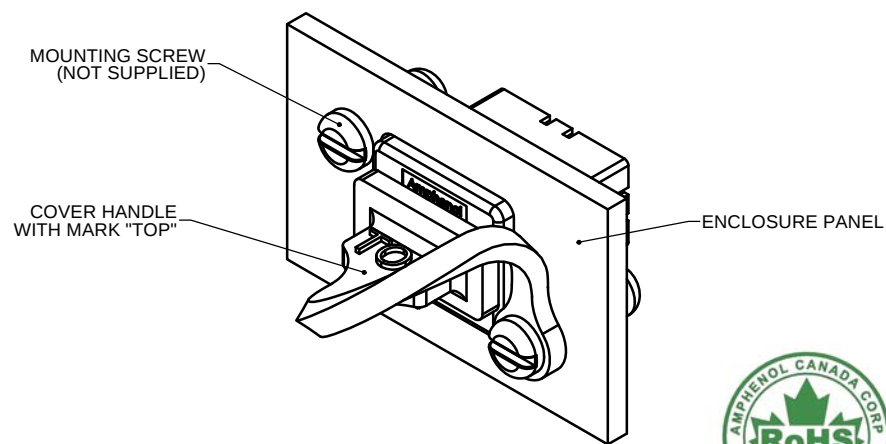
| REVISIONS |                             |          |      |
|-----------|-----------------------------|----------|------|
| REV       | DESCRIPTION, ECN, EAR NO.   | DATE     | APPD |
| E         | PRODUCT DRAWING (EAR 13219) | JAN28/08 | K.L. |
| F         | PRODUCT DRAWING (EAR 14617) | OCT27/17 | K.L. |



**RECOMMENDED PCB LAYOUT**  
COMPONENT SIDE OF BOARD



**RECOMMENDED PANEL CUTOUT**  
OUTSIDE VIEW OF PANEL



**DUST COVER APPLICATION**



|                            |             |                        |           |         |
|----------------------------|-------------|------------------------|-----------|---------|
| UNLESS SPECIFIED OTHERWISE |             | DRAWN                  | S.SEMENOV | MAR1/07 |
| PRIMARY UNITS              | MILLIMETERS | CHECKED                | S.SEMENOV | MAR1/07 |
| SECONDARY                  | INCHES      | M.E. APP'D             |           |         |
| REFERENCE IN PARENTHESES   |             | Q.A. APP'D             |           |         |
| GENERAL TOLERANCES         |             | DWG APPR.              | A.GREEN   | MAR1/07 |
| 1 DECIMAL PLACE            |             | ENG. REL. NO.          |           |         |
| 2 DECIMAL PLACES           | $\pm 0.15$  | REF.                   |           |         |
| 3 DECIMAL PLACES           |             | THIRD ANGLE PROJECTION |           |         |
| ANGULAR DEGREES            |             | DO NOT SCALE DRAWING   |           |         |

|                                                                                                                                         |       |           |        |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|--------|
| <b>Amphenol Canada Corp.</b><br><a href="http://www.amphenolcanada.com">www.amphenolcanada.com</a>                                      |       |           |        |
| MUSB SERIES RUGGED USB CONNECTOR, SERIES 'A' RECEPTACLE, SINGLE PORT, RIGHT ANGLE PCB TAIL, THREAD & DUST COVER OPTIONS, RoHS COMPLAINT |       |           |        |
| DWG. NO.                                                                                                                                |       | REV       |        |
| P-MUSB-A111-XX                                                                                                                          |       | F         |        |
| CODE ID NO.                                                                                                                             | 03554 | DWG SIZE: | X      |
| SCALE:                                                                                                                                  | 4:1   | SHEET     | 2 OF 2 |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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