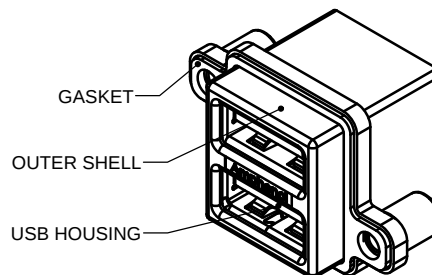
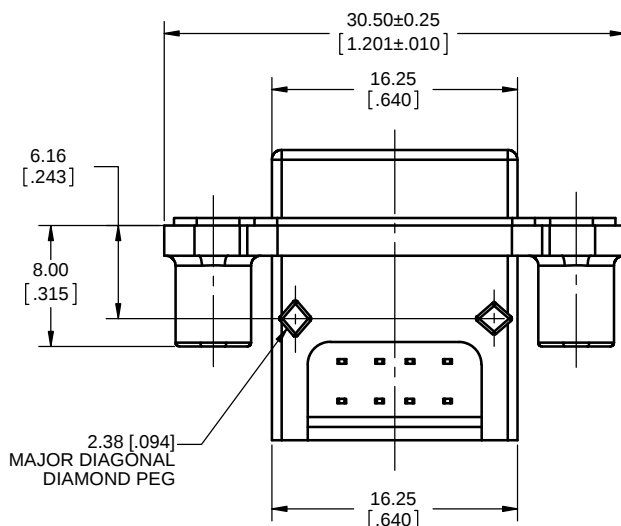
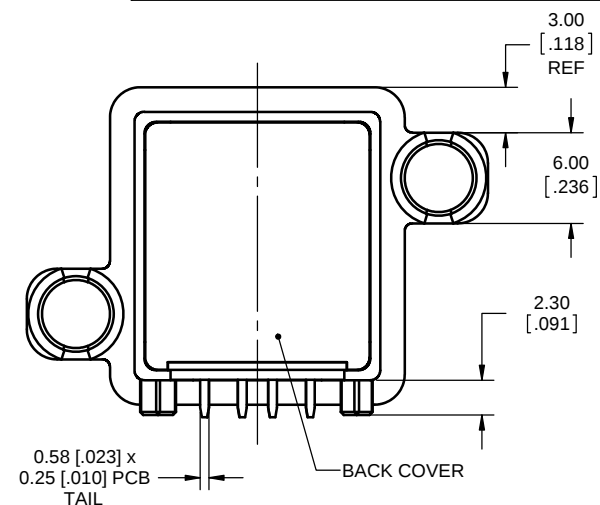
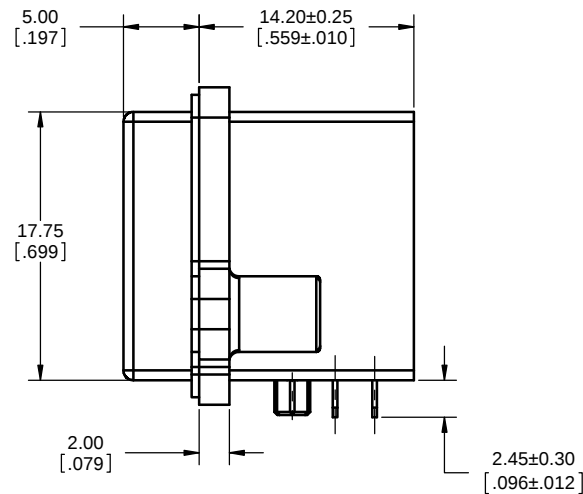
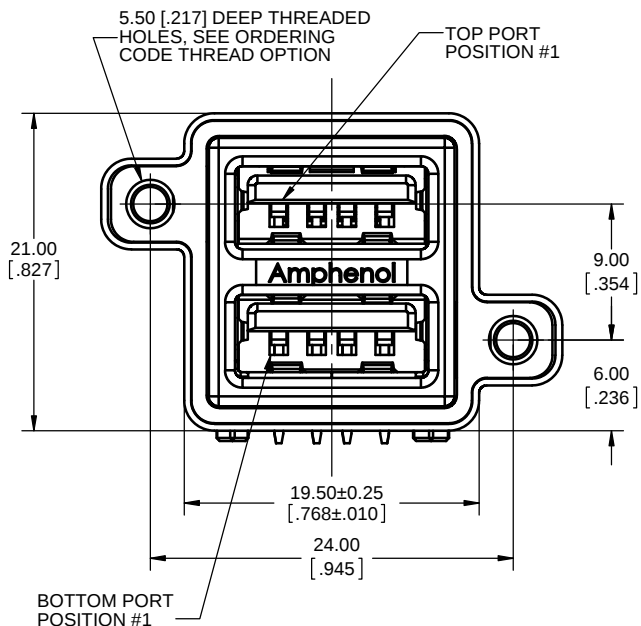


| REVISIONS |                             |          |       |
|-----------|-----------------------------|----------|-------|
| REV       | DESCRIPTION, ECN, EAR NO.   | DATE     | APP'D |
| E         | PRODUCT DRAWING (EAR 13902) | JUL12/11 | K.L.  |
| F         | PRODUCT DRAWING (EAR 14330) | DEC11/14 | K.L.  |



ORDERING CODE: **MUSB-C111-XX**

USB SERIES 'A' RECEPTACLE, STACKED, RIGHT ANGLE PCB TAIL

SERIES, RUGGED USB

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 COVERS SUPPLIED  
5 = WITH BLACK DUST COVERS SUPPLIED

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

#### NOTES:

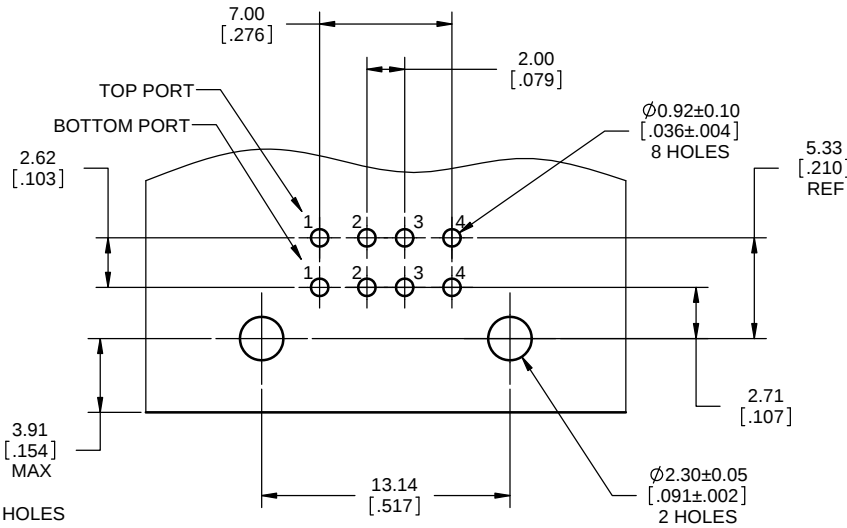
- MATERIAL:**
  - ALL MATERIALS ARE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS
  - OUTER SHELL - DIECAST ZINC ALLOY, NICKEL PLATED
  - CONTACTS - PHOSPHOR BRONZE, PLATED WITH 0.76 MICRONS (30 MICROINCHES) GOLD OVER 1.27 MICRONS (50 MICROINCHES) MINIMUM NICKEL ON THE MATING AREA WITH TIN PLATING ON THE TAILS.
  - USB HOUSING - ENGINEERING THERMOPLASTIC, HIGH TEMPERATURE RESISTANT, FLAMMABILITY RATING UL94V-0, BLACK.
  - USB SHIELD & BACK COVER - COPPER ALLOY, NICKEL PLATED
  - GASKET - SILICONE RUBBER, BLACK
  - DUST COVER - SILICONE RUBBER WITH NICKEL PLATED BRASS BUSHING. SEE ORDERING CODE FOR DUST COVER COLOUR OPTIONS. SEE SHEET 2 FOR DUST COVER VIEWS.
- 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.
- 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.

|                            |                        |          |          |
|----------------------------|------------------------|----------|----------|
| UNLESS SPECIFIED OTHERWISE | DRAWN                  | G.LI     | MAR31/08 |
| PRIMARY UNITS MILLIMETERS  | CHECKED                | K.LAMBIE | APR02/08 |
| SECONDARY INCHES           | M.E. APP'D             |          |          |
| REFERENCE IN PARENTHESES   | Q.A. APP'D             |          |          |
| GENERAL TOLERANCES         | DWG APPR.              | K.LAMBIE | APR02/08 |
| 1 DECIMAL PLACE            | ENG. REL. NO.          |          |          |
| 2 DECIMAL PLACES ±0.15     | REF.                   |          |          |
| 3 DECIMAL PLACES           | THIRD ANGLE PROJECTION |          |          |
| ANGULAR DEGREES            | DO NOT SCALE DRAWING   |          |          |

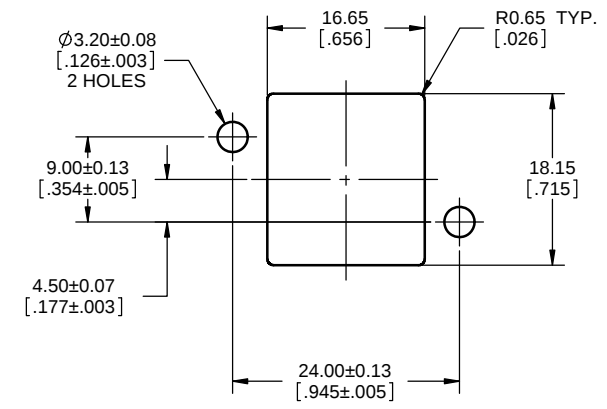
|                                                                                                                                |              |            |              |
|--------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|
| <b>Amphenol Canada Corp.</b><br>www.amphenolcanada.com                                                                         |              |            |              |
| MUSB RUGGED USB CONNECTOR, SERIES 'A' RECEPTACLE, STACKED, RIGHT ANGLE PCB TAIL, THREAD AND DUST COVER OPTIONS, RoHS COMPLIANT |              |            |              |
| DWG. NO.                                                                                                                       |              |            | REV          |
| P-MUSB-C111-XX                                                                                                                 |              |            | F            |
| CODE ID NO. 03554                                                                                                              | DWG. SIZE: C | SCALE: 4:1 | SHEET 1 OF 2 |



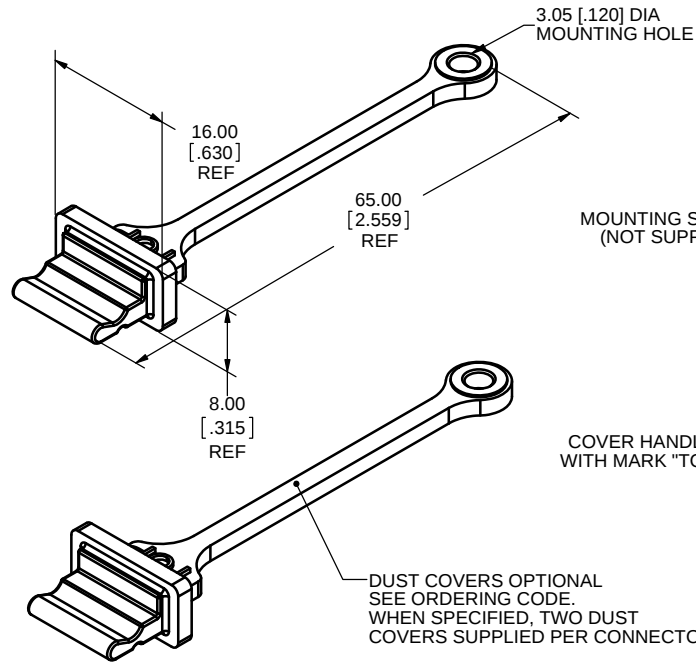
| REVISIONS |                             |          |       |
|-----------|-----------------------------|----------|-------|
| REV       | DESCRIPTION, ECN, EAR NO.   | DATE     | APP'D |
| E         | PRODUCT DRAWING (EAR 13902) | JUL21/11 | K.L.  |
| F         | PRODUCT DRAWING (EAR 14330) | DEC11/14 | K.L.  |



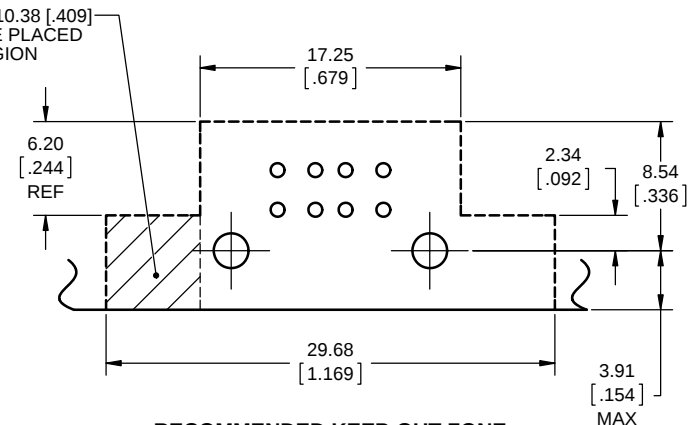
**RECOMMENDED P.C.B. LAYOUT**  
COMPONENT SIDE OF BOARD



**RECOMMENDED PANEL CUTOUT**  
OUTSIDE OF PANEL



**DUST COVER APPLICATION VIEW**



**RECOMMENDED KEEP-OUT ZONE**  
COMPONENT SIDE OF BOARD



|                            |                        |          |          |
|----------------------------|------------------------|----------|----------|
| UNLESS SPECIFIED OTHERWISE | DRAWN                  | G.L.I.   | MAR31/08 |
| PRIMARY UNITS MILLIMETERS  | CHECKED                | K.LAMBIE | APR02/08 |
| SECONDARY INCHES           | M.E. APP'D             |          |          |
| REFERENCE IN PARENTHESES   | Q.A. APP'D             |          |          |
| GENERAL TOLERANCES         | DWG APPR.              | K.LAMBIE | APR02/08 |
| 1 DECIMAL PLACE            | ENG. REL. NO.          |          |          |
| 2 DECIMAL PLACES ±0.15     | REF.                   |          |          |
| 3 DECIMAL PLACES           | THIRD ANGLE PROJECTION |          |          |
| ANGULAR DEGREES            | DO NOT SCALE DRAWING   |          |          |

|                                                                                                                                |             |            |              |
|--------------------------------------------------------------------------------------------------------------------------------|-------------|------------|--------------|
| <b>Amphenol Canada Corp.</b><br>www.amphenolcanada.com                                                                         |             |            |              |
| MUSB RUGGED USB CONNECTOR, SERIES 'A' RECEPTACLE, STACKED, RIGHT ANGLE PCB TAIL, THREAD AND DUST COVER OPTIONS, RoHS COMPLIANT |             |            |              |
| DWG. NO. P-MUSB-C111-XX                                                                                                        |             |            | REV F        |
| CODE ID NO. 03554                                                                                                              | DWG SIZE: C | SCALE: 5:1 | 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

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9