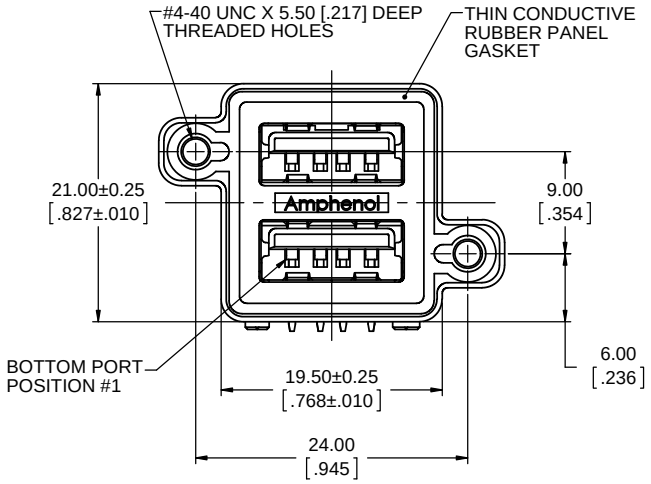
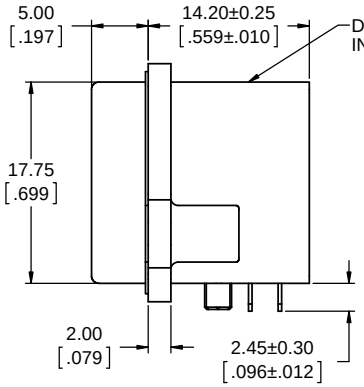
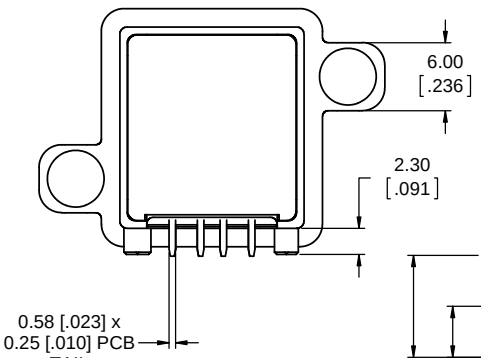
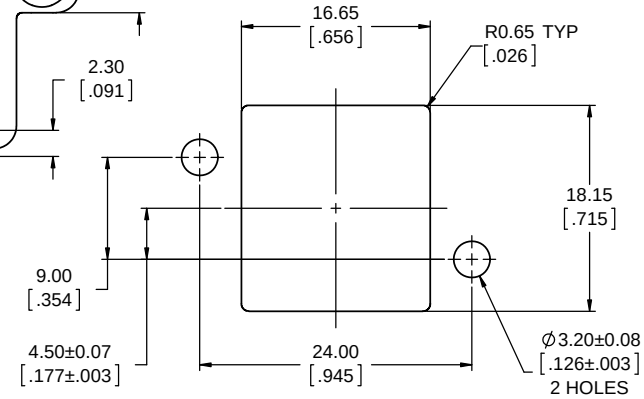
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PRODUCT DRAWING (EAR 14137)	OCT18/12	K.L.
B	PRODUCT DRAWING (ECN E13526)	APR24/14	K.L.

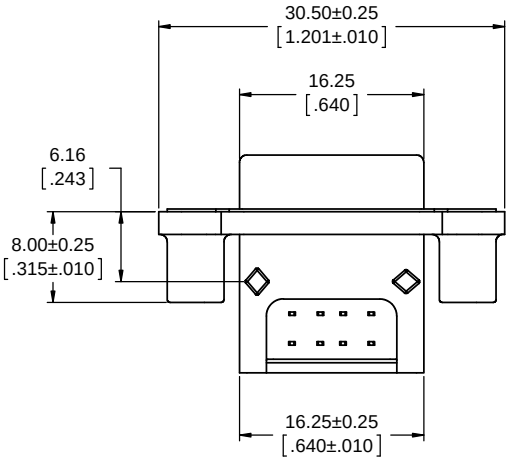


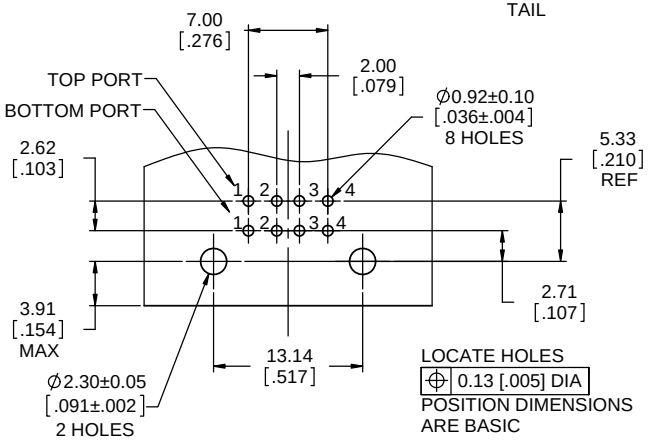




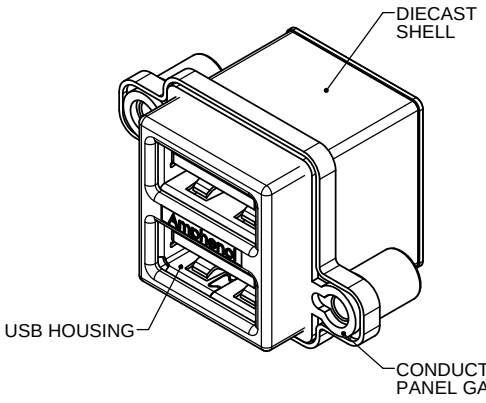


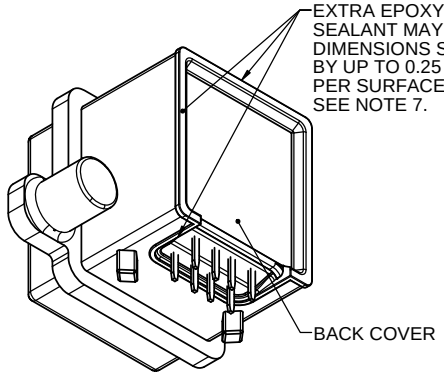
RECOMMENDED PANEL CUTOUT
OUTSIDE OF PANEL





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





NOTES:

1. MATERIAL:
   ALL MATERIALS ARE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS.
   - SHELL - DIECAST ZINC, NICKEL PLATED
   - CONTACTS - COPPER ALLOY WITH 0.76µm (30µ") GOLD OVER 1.27µm (50µ") MINIMUM NICKEL ON THE MATING AREA AND MATTE TIN ON THE CONTACT TAILS.
   - INSERTS - ENGINEERING THERMOPLASTIC, UL FLAMMABILITY RATING 94V-0, COLOUR: BLACK
   - USB SHIELD & BACK COVER - COPPER ALLOY, NICKEL PLATED
   - PANEL GASKET - CONDUCTIVE 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 PANEL.
3. CURRENT RATING: 1.5 AMPERES.
4. CONTACT RESISTANCE: 30 MILLIOHMS MAXIMUM.
5. OPERATING TEMPERATURE -40°C TO +105°C.
6. DUST COVERS FOR THE MATING AREA ARE AVAILABLE. SPECIFY:
   - MUSB-2A111-014BP FOR GREY DUST COVER
   - MUSB-2A111-024BP FOR BLACK DUST COVER
7. CONNECTOR IS SEALED USING 3M DP125 GRAY EPOXY. TO PROVIDE AN ENHANCED SEAL, AN EXTRA LAYER OF EPOXY IS APPLIED TO THE BACK OPENING PERIMETER OF THE SHELL.

AMPHENOL PART NUMBER: MUSB - C111 - 309

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM AMPHENOL CANADA CORP.

UNLESS SPECIFIED OTHERWISE	DRAWN A.ESPIE	OCT18/12	**Amphenol Canada Corp.** www.amphenolcanada.com
PRIMARY UNITS MILLIMETERS	CHECKED		MUSB SERIES RUGGED USB TYPE A, STACKED, RIGHT ANGLE PCB, THIN CONDUCTIVE GASKET, #4-40 THREAD, EXTRA SEALANT, RoHS COMPLIANT
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR. K.LAMBIE	OCT18/12	
1 DECIMAL PLACE	ENG. REL. NO. EAR 14137		
2 DECIMAL PLACES ±0.15	REF.		DWG. NO. P-MUSB-C111-309 REV B
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			