

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
B	PRODUCT DRAWING (EAR 13750)	MAR21/11	K.L.
C	PRODUCT DRAWING (EAR 14052)	FEB14/12	K.L.

ORDERING CODE: MUSB-E551-XX

SERIES, RUGGED USB

USB 'MINI-AB' RECEPTACLE,
SINGLE PORT, VERTICAL PCB TAILS

THREAD OPTION

0=#2-56 UNC THREAD

N=M2.5 X 0.45 THREAD (AMPHENOL STANDARD)

Q=M2 X 0.4 THREAD (AMPHENOL SPECIAL)

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 GOLD FLASH OVER NICKEL ON THE TAILS.
 - USB HOUSING: ENGINEERING THERMOPLASTIC, FLAMMABILITY RATING UL94V-0, BLACK.
 - USB SHELL: 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 COVER PROVIDES 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**
 - MUSB-2E151-005BP FOR GREY DUST COVER
 - MUSB-2E151-015BP FOR BLACK DUST 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.



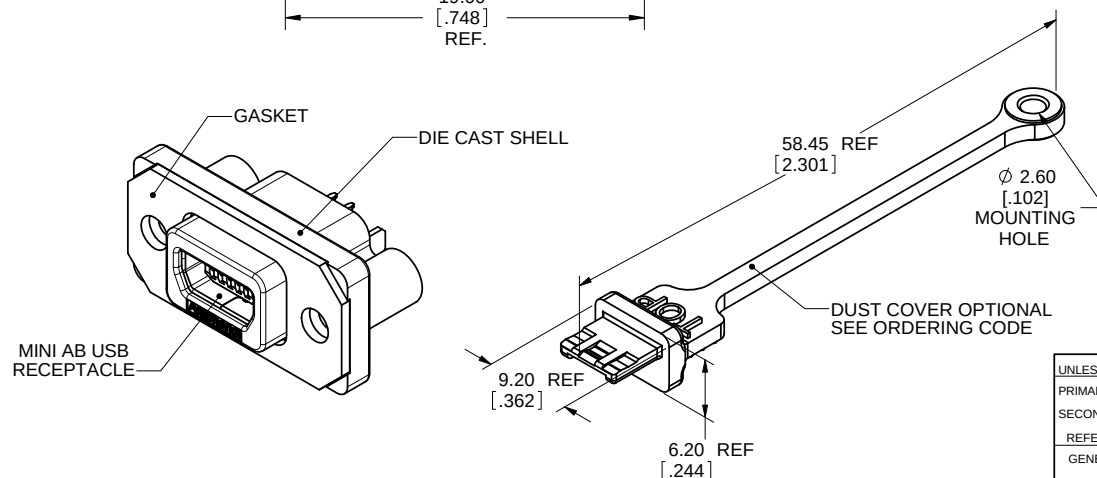
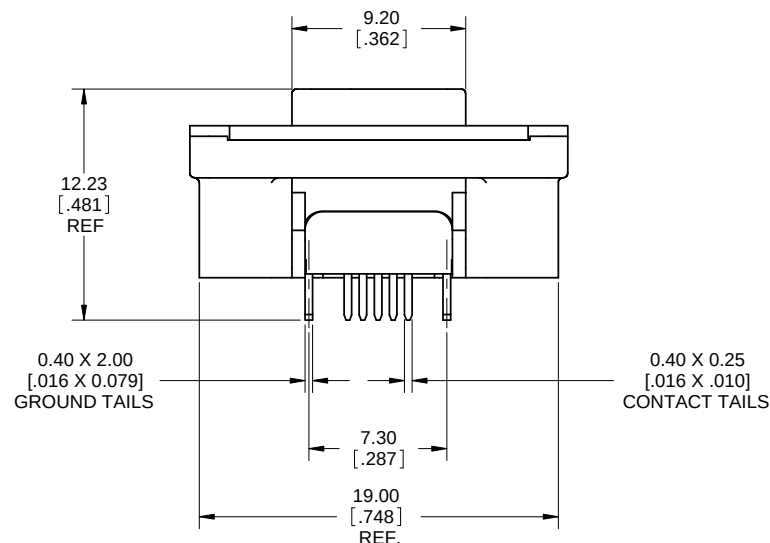
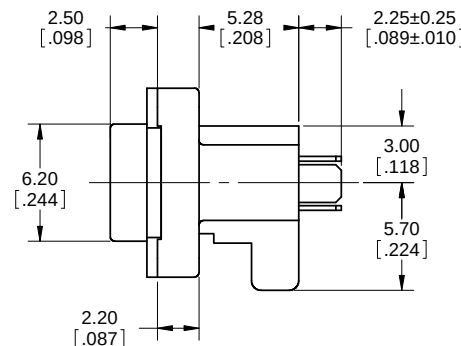
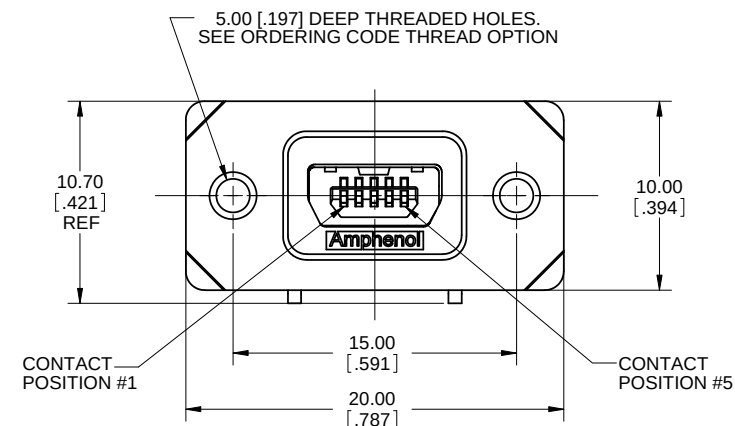
Amphenol Canada Corp.
www.amphenolcanada.com

**MUSB SERIES RUGGED MINI-AB USB
RECEPTACLE, VERTICAL MOUNT,
PCB TAIL, RoHS COMPLIANT**

P-MUSB-E551-XX

REV
C

CODE ID NO. 03554 DWG SIZE: C SCALE: 5:1 SHEET 1 OF 2



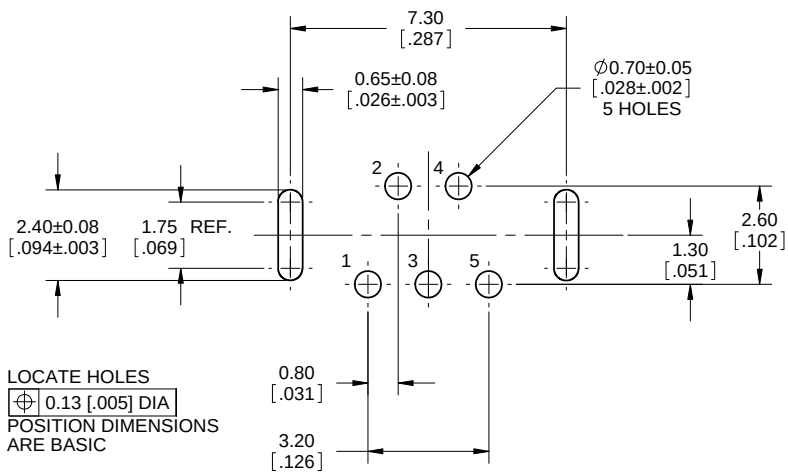
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UNLESS SPECIFIED OTHERWISE	DRAWN	H.KIM	FEB20/09
PRIMARY UNITS MILLIMETERS	CHECKED		
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.	K.LAMBIE	FEB20/09
1 DECIMAL PLACE	ENG. REL. NO.		
2 DECIMAL PLACES ±0.15	REF.	EAR 13476	DWG. NO.
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES			

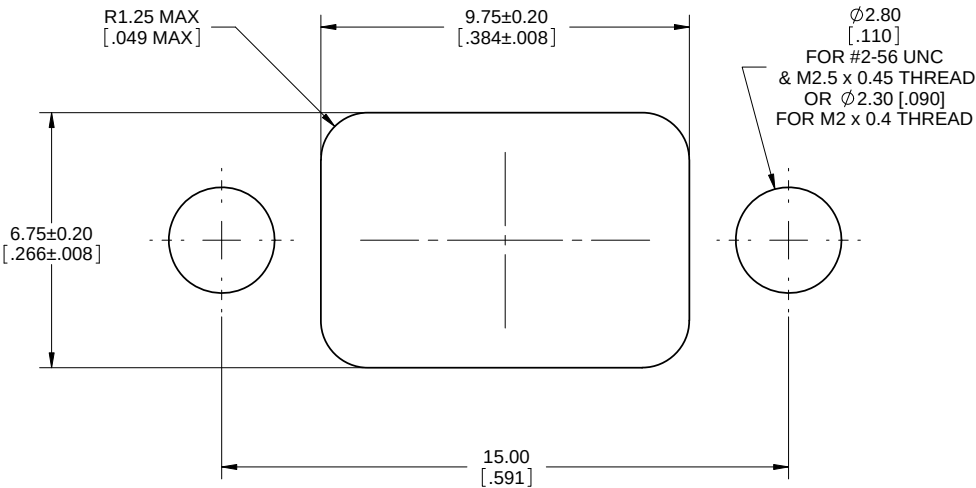


DO NOT
SCALE
DRAWING

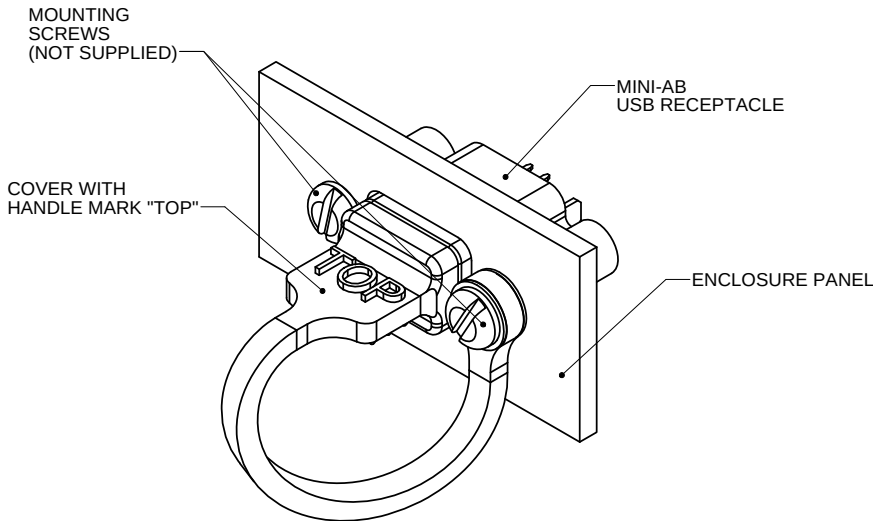
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RECOMMENDED P.C.B. LAYOUT
COMPONENT SIDE OF BOARD



RECOMMENDED PANEL CUTOUT



DUST COVER APPLICATION



UNLESS SPECIFIED OTHERWISE	DRAWN	H.KIM	FEB20/09	Amphenol Canada Corp. www.amphenolcanada.com MUSB SERIES RUGGED MINI-AB USB RECEPTACLE, VERTICAL MOUNT, PCB TAIL, RoHS COMPLIANT	
PRIMARY UNITS MILLIMETERS	CHECKED				
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1 DECIMAL PLACE	ENG. REL. NO.				
2 DECIMAL PLACES ±0.15	REF.	EAR 13476			
3 DECIMAL PLACES	THIRD ANGLE PROJECTION				
ANGULAR DEGREES				CODE ID NO. 03554 DWG SIZE: C SCALE: 5:1 SHEET 2 OF 2	

Mouser Electronics

Authorized Distributor

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