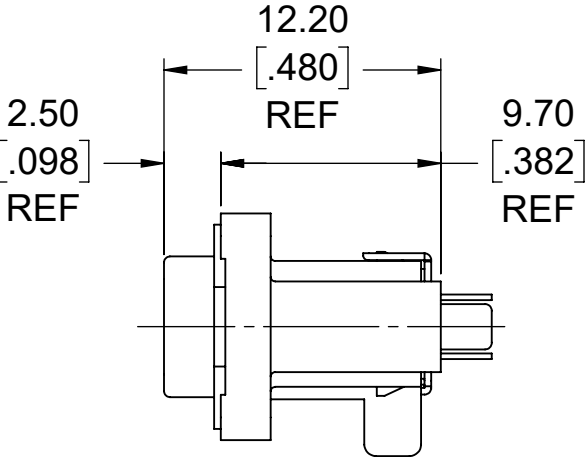
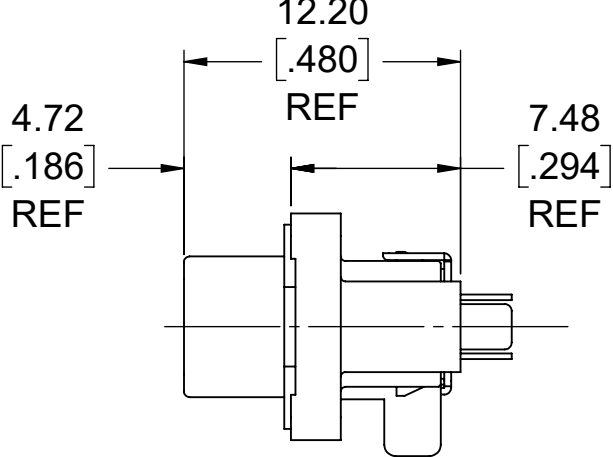


REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING (EAR 14162)	SEP10/14	K.L.
B	PRODUCT DRAWING (EAR 14848)	AUG06/20	K.L.

FRONT FLANGE POSITION



REAR FLANGE POSITION



ORDERING CODE: **M U S B R - E 5 5 1 - X X**

SERIES, RUGGED USB

USB MINI-AB RECEPTACLE
VERTICAL PCB TAILS

FLANGE & THREAD OPTION
3 = FRONT FLANGE POS'N,
#2-56 UNC THREAD
5 = REAR FLANGE POS'N,
#2-56 UNC THREAD
M = FRONT FLANGE POS'N,
M2.5 x 0.45 THREAD
T = REAR FLANGE POS'N,
M2.5 x 0.45 THREAD
U = FRONT FLANGE POS'N,
M2.0 x 0.4 THREAD
V = REAR FLANGE POS'N,
M2.0 x 0.4 THREAD

DUST COVER OPTION
0 = WITH 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.

MINI-AB-USB
CONNECTOR

GASKET
DIECAST SHELL

REAR COVER

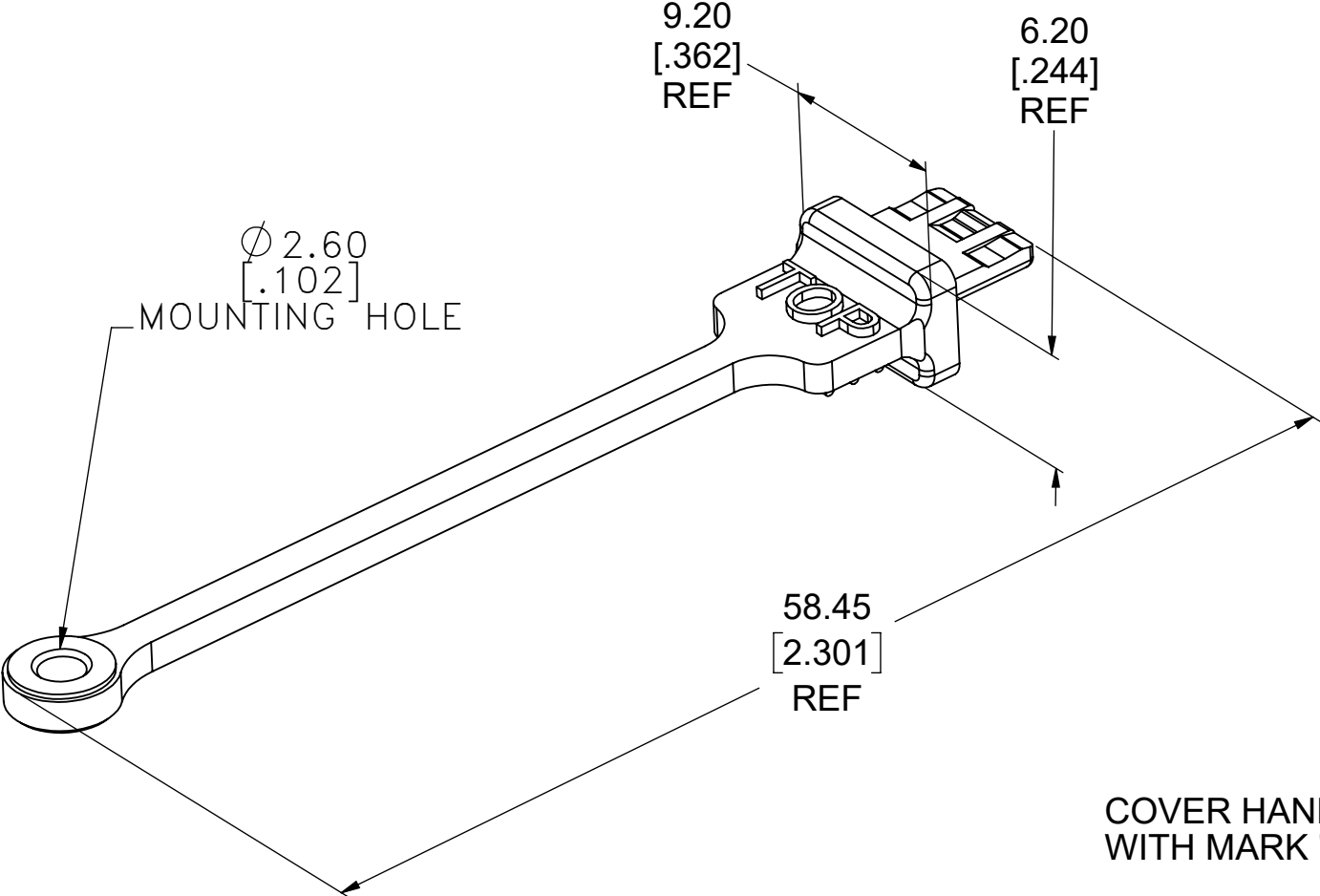
GROUND TAILS

VERTICAL
PCB TAILS

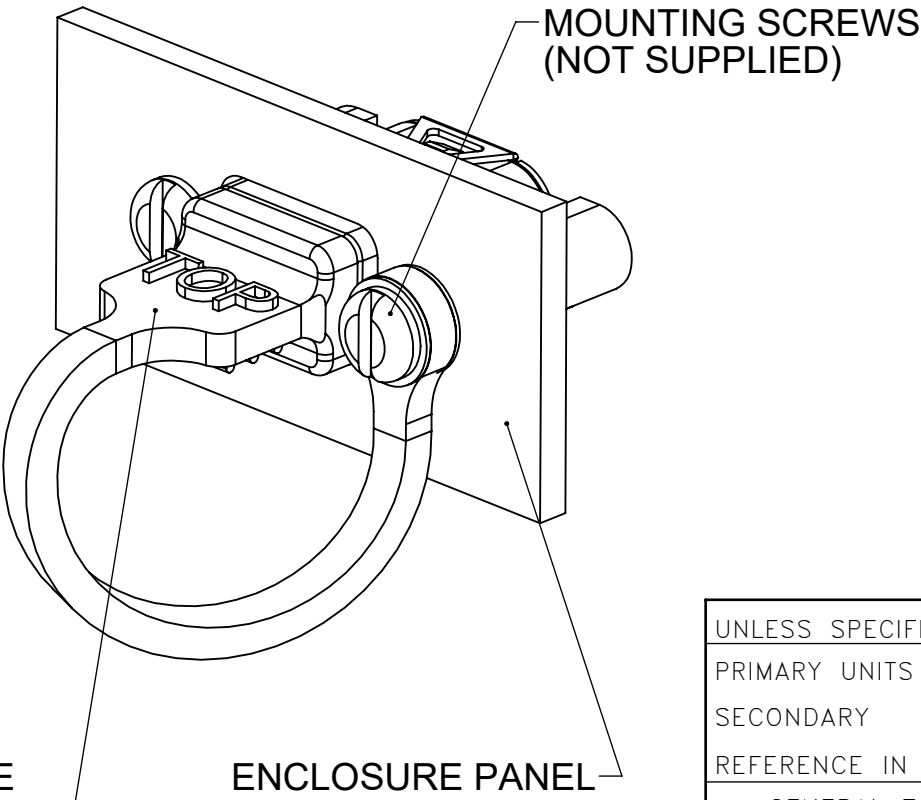
NOTES:

- MATERIAL:
ALL MATERIALS ARE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS
 - OUTER SHELL: DIECAST ZINC ALLOY, MATTE TIN OVER NICKEL PLATED
 - CONTACTS: PHOSPHOR BRONZE, PLATED WITH 0.76 µm [30µ"] MINIMUM GOLD OVER 1.27 µm [50µ"] MINIMUM NICKEL ON THE MATING AREA WITH MATTE TIN OVER NICKEL ON THE TAILS
 - USB HOUSING: ENGINEERING THERMOPLASTIC LCP, HIGH TEMPERATURE RESISTANT, FLAMMABILITY RATING UL94V-0, BLACK
 - USB SHIELD: STAINLESS STEEL, PASSIVATED
 - REAR COVER: STAINLESS STEEL, MATTE TIN OVER NICKEL PLATED
 - GASKET: CONDUCTIVE SILICONE RUBBER, BLACK
- 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 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

DUST COVER OPTION



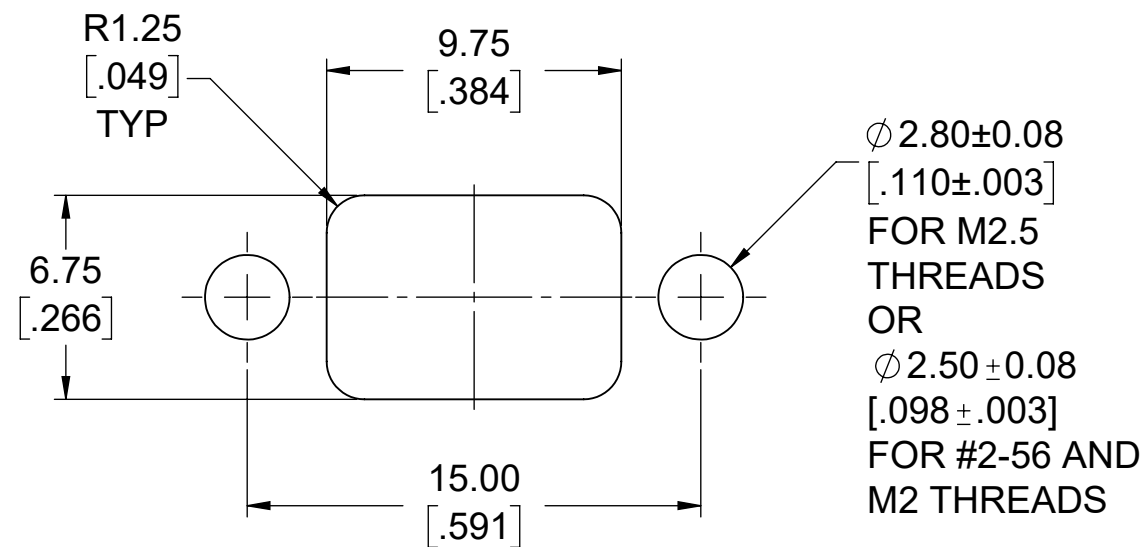
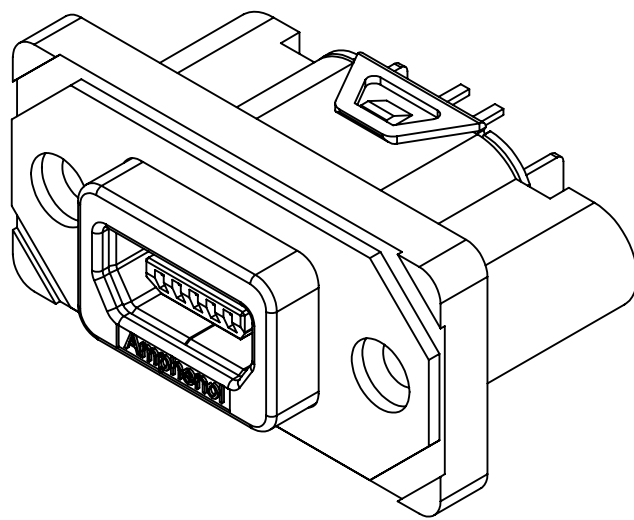
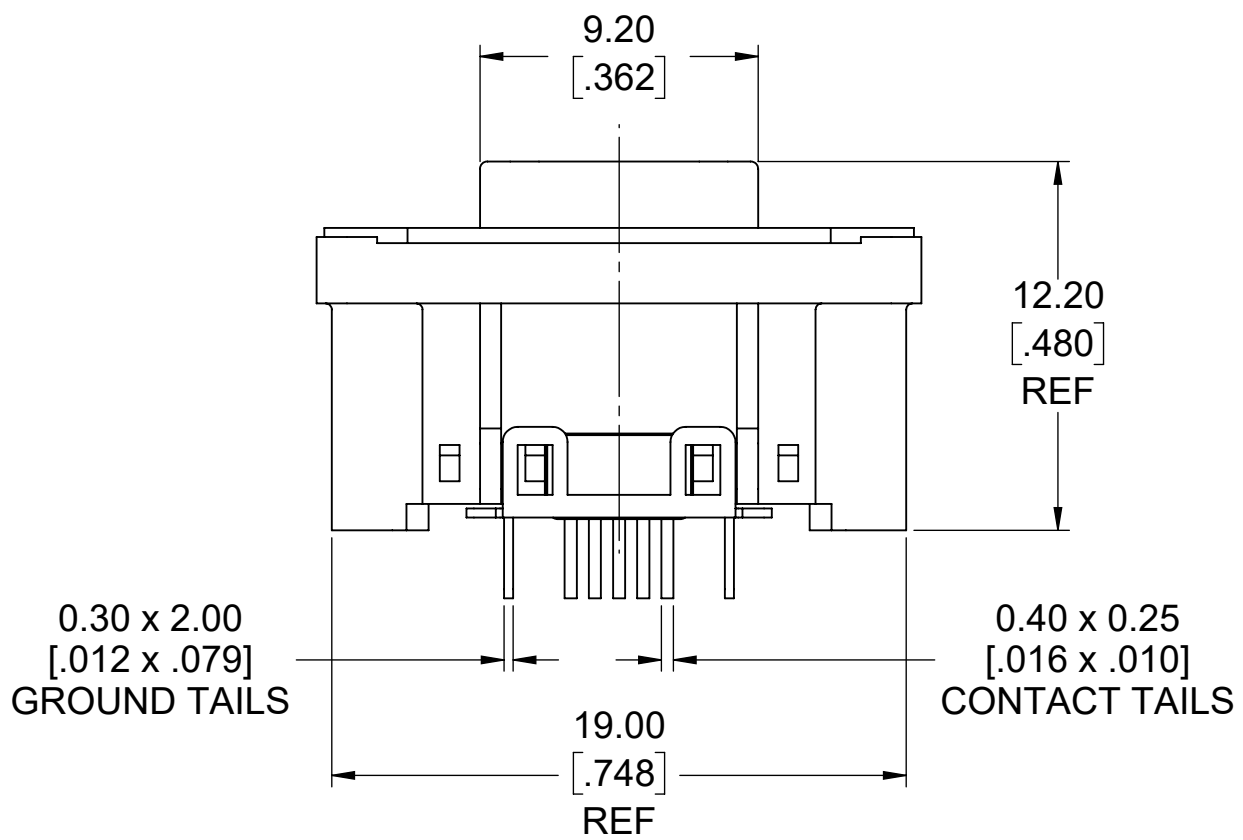
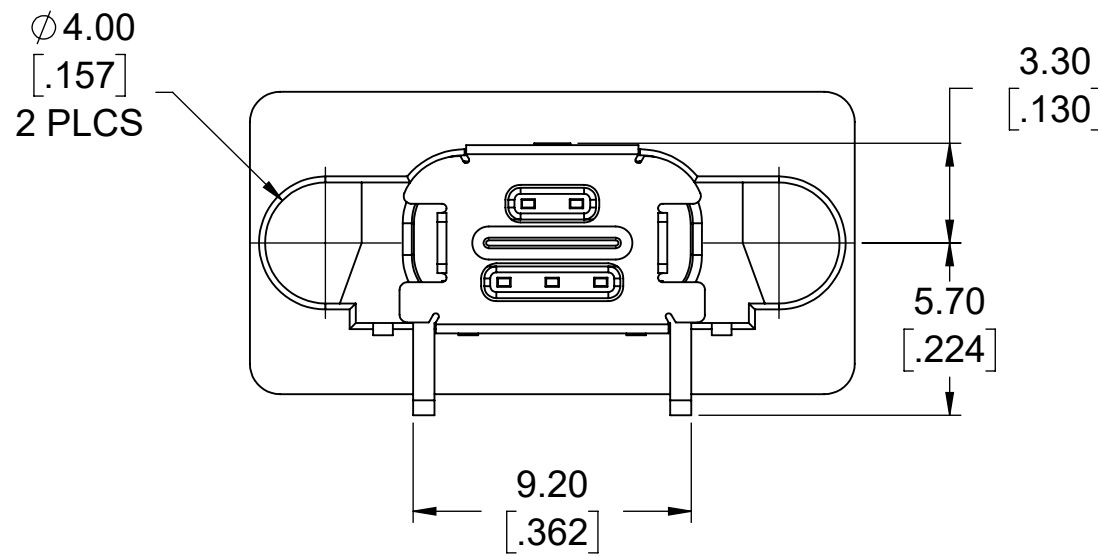
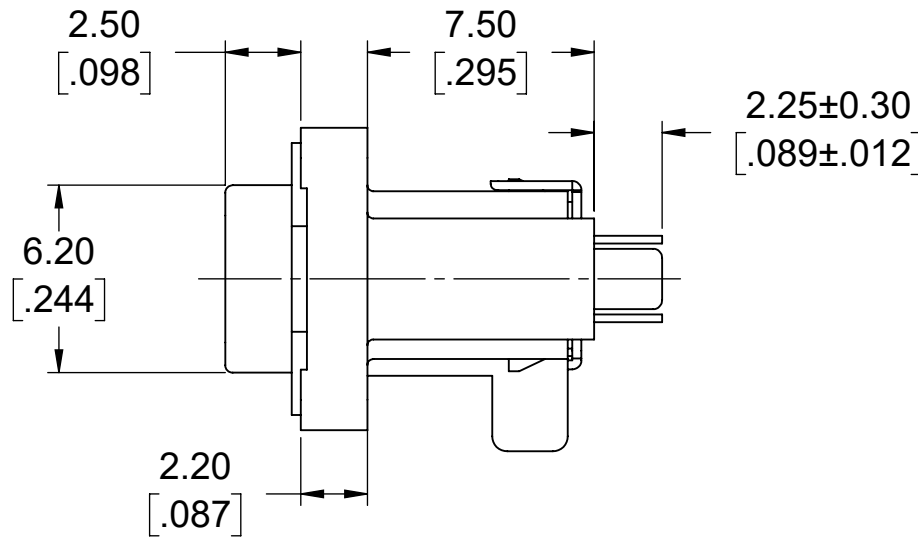
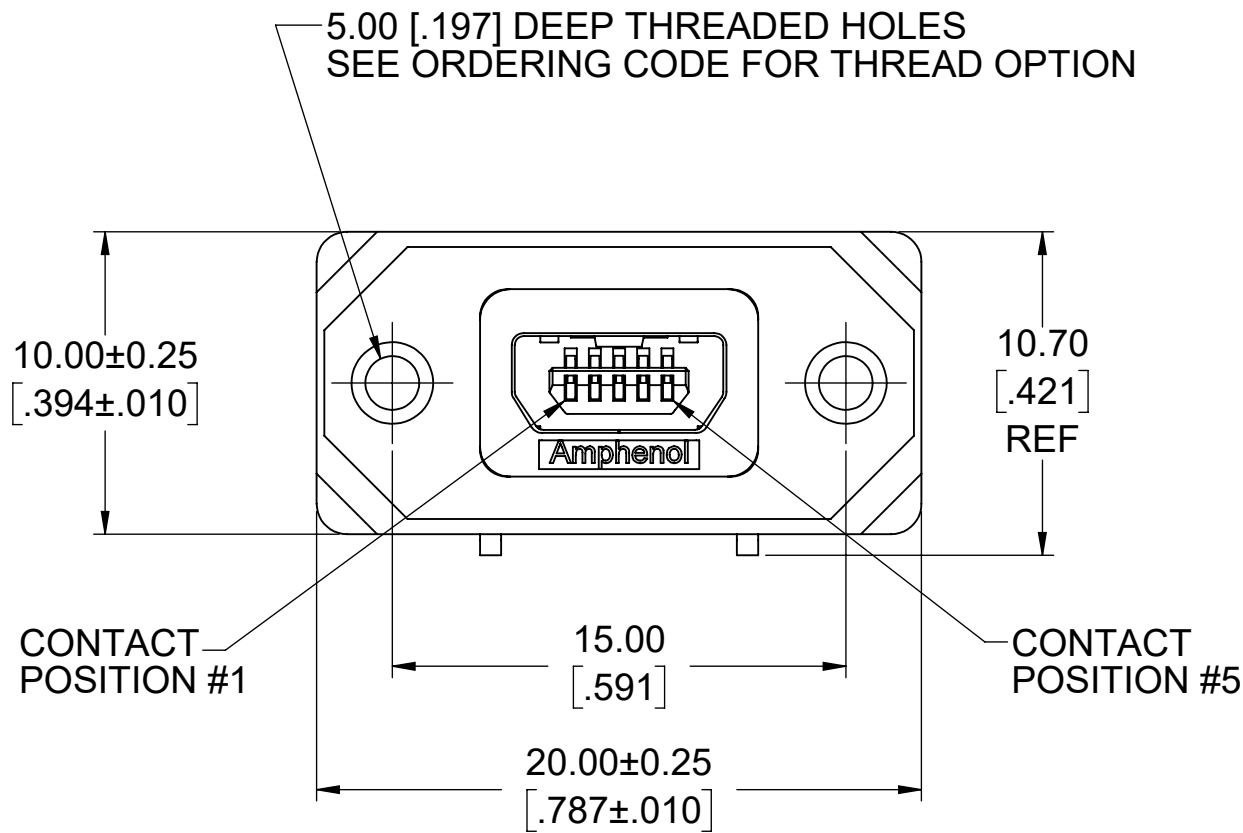
DUST COVER APPLICATION VIEW



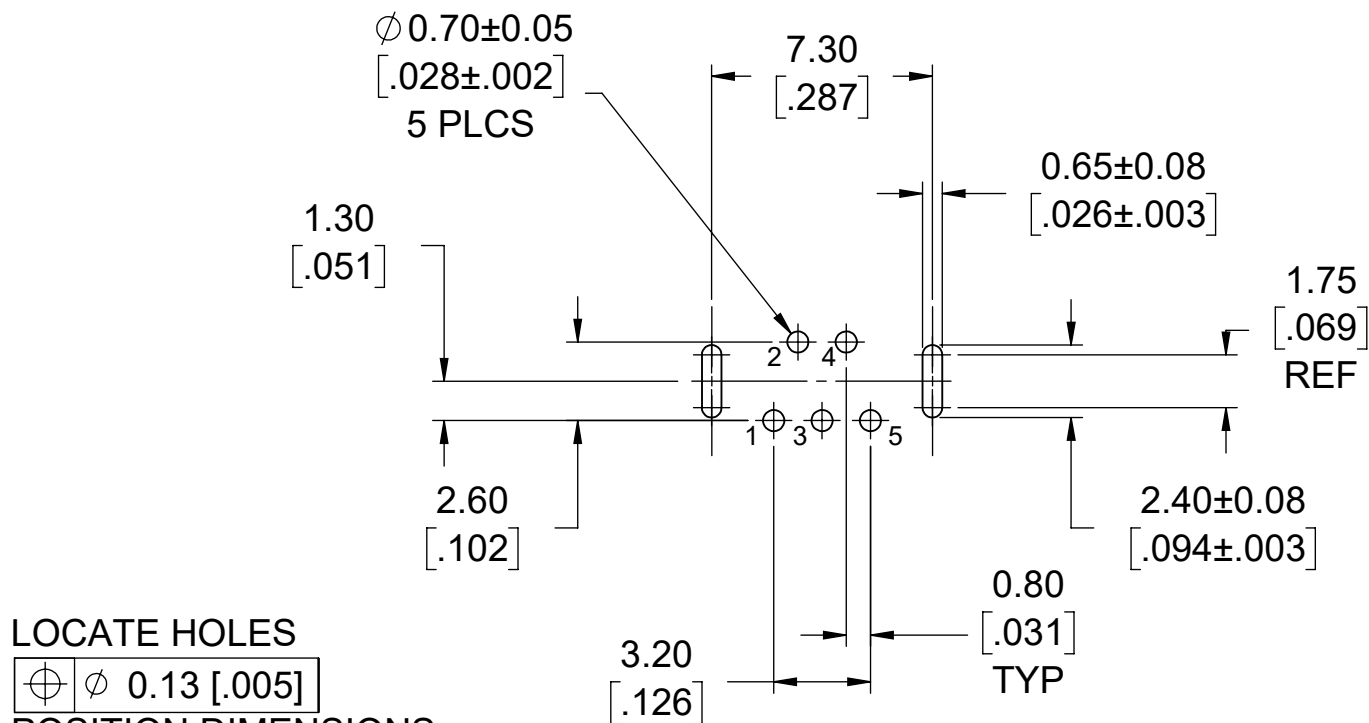
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UNLESS SPECIFIED OTHERWISE	DRAWN	B.COPPING	SEP10/14	Amphenol Canada Corp. Commercial Products			
PRIMARY UNITS MILLIMETERS	CHECKED	K.LAMBIE	SEP10/14				
SECONDARY INCHES	M.E. APP'D			MUSBR SERIES RUGGED USB MINI-AB RECEPTACLE, VERTICAL PCB TAIL, FLANGE, THREAD & COVER OPTIONS, RoHS COMPLIANT			
REFERENCE IN PARENTHESES	Q.A. APP'D						
GENERAL TOLERANCES	DWG APPR.			DWG. NO. P-MUSBR-E551-XX			
1 DECIMAL PLACE	ENG. REL. NO.	EAR 14162					
2 DECIMAL PLACES ±0.15	REF.			CODE ID NO. 03554 DWG SIZE: X SCALE: 3:1 SHEET 1 OF 3			
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING				
ANGULAR DEGREES				REV B			

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING (EAR 14162)	SEP10/14	K.L.
B	PRODUCT DRAWING (EAR 14848)	AUG06/20	K.L.



RECOMMENDED PANEL CUTOUT
OUTSIDE VIEW OF PANEL



RECOMMENDED PCB LAYOUT
COMPONENT SIDE OF BOARD

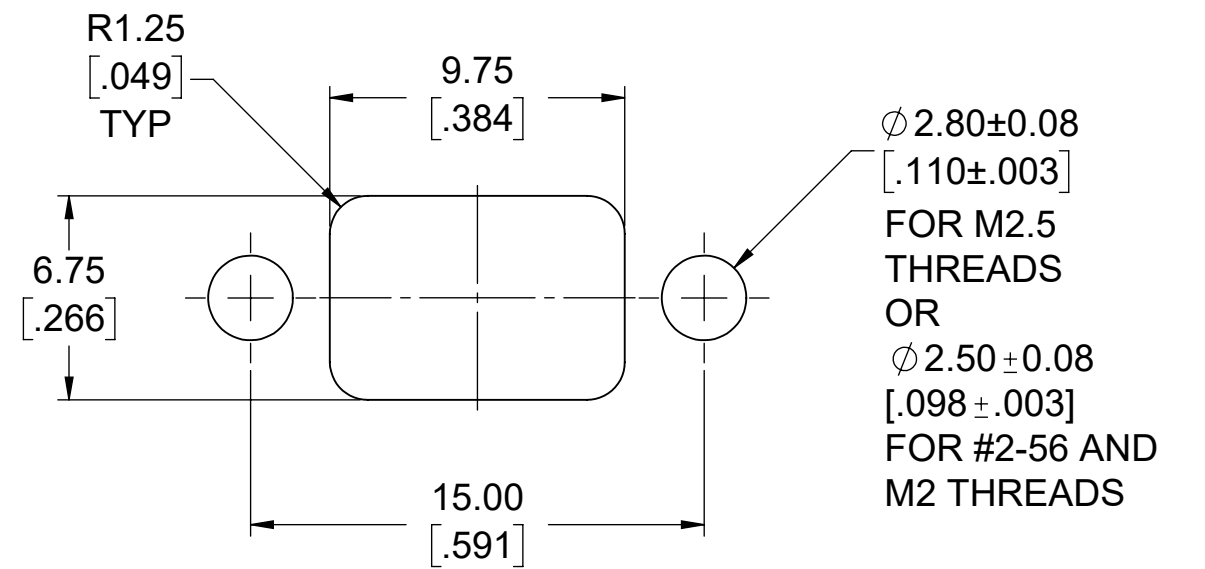
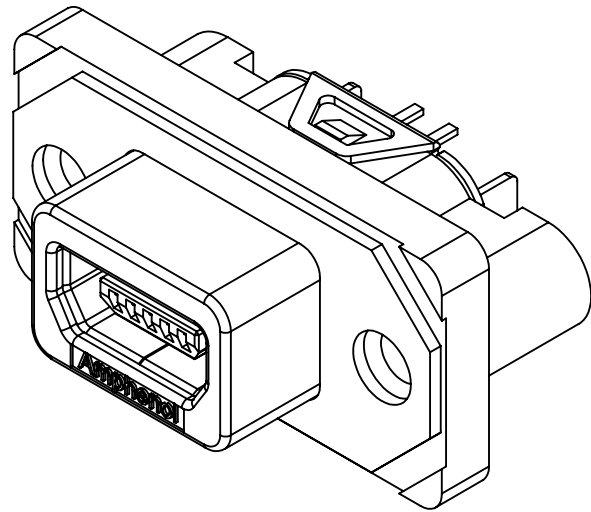
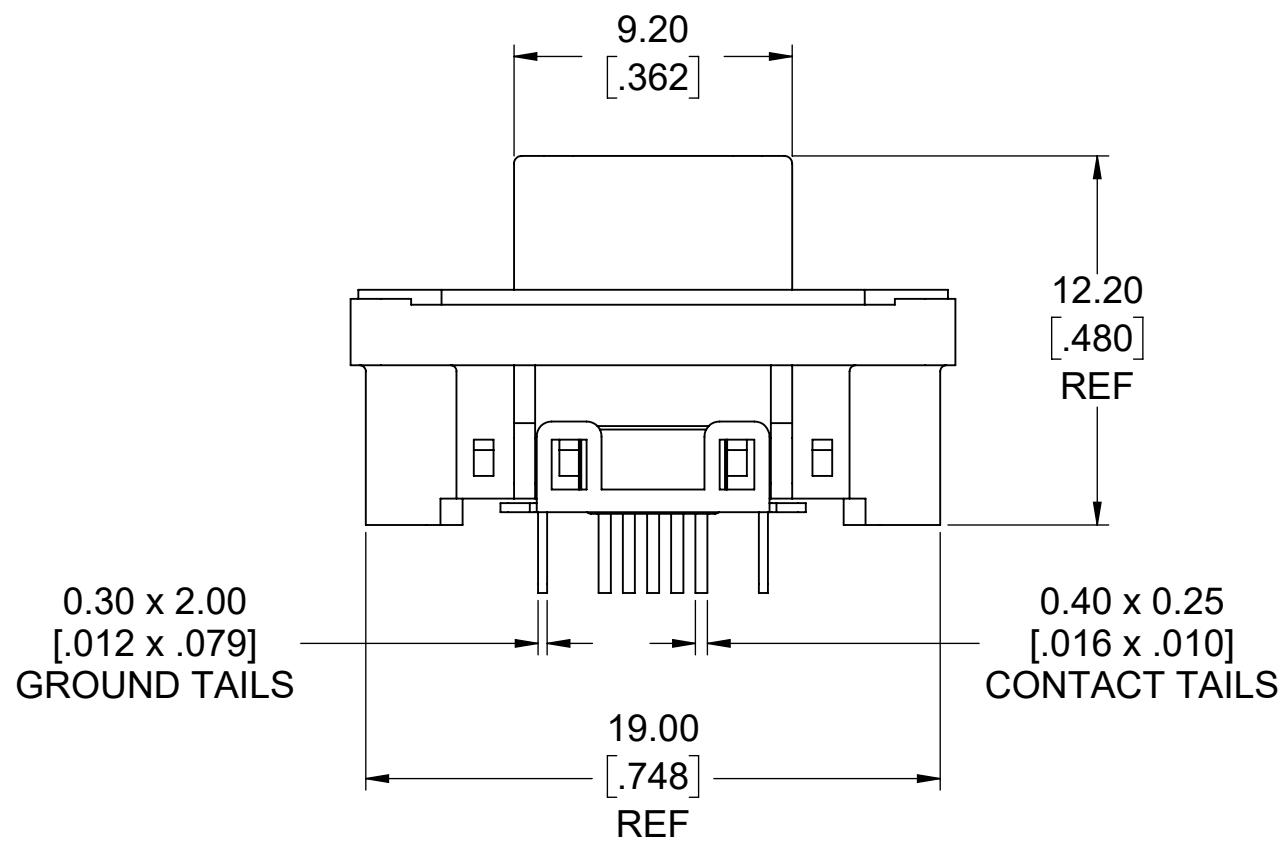
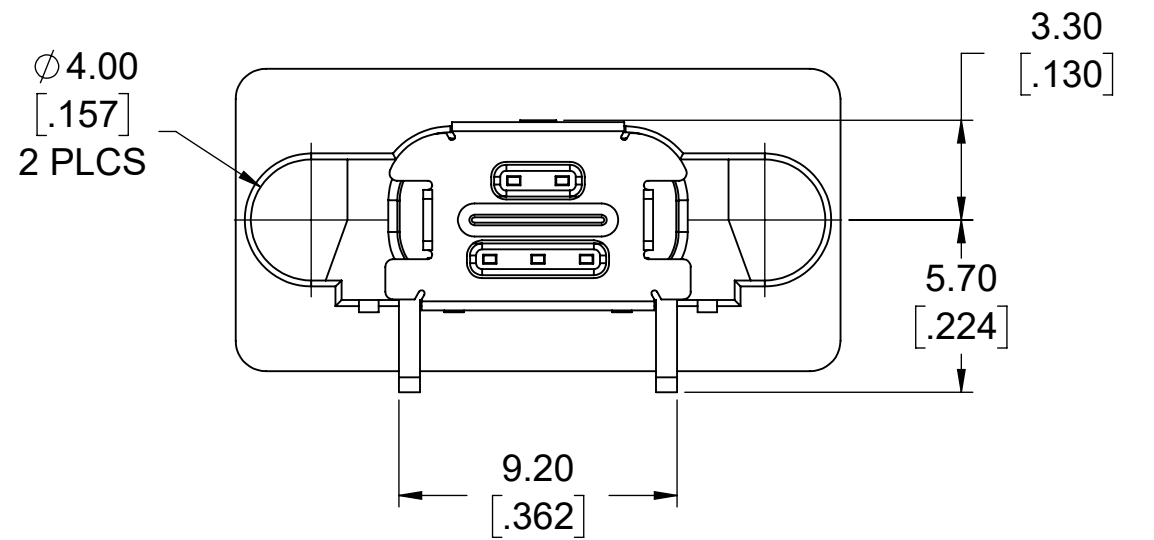
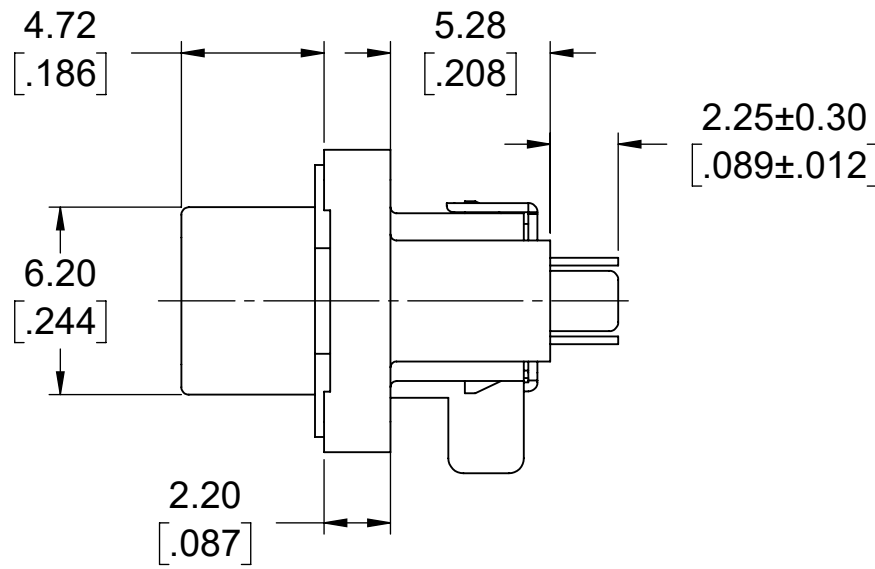
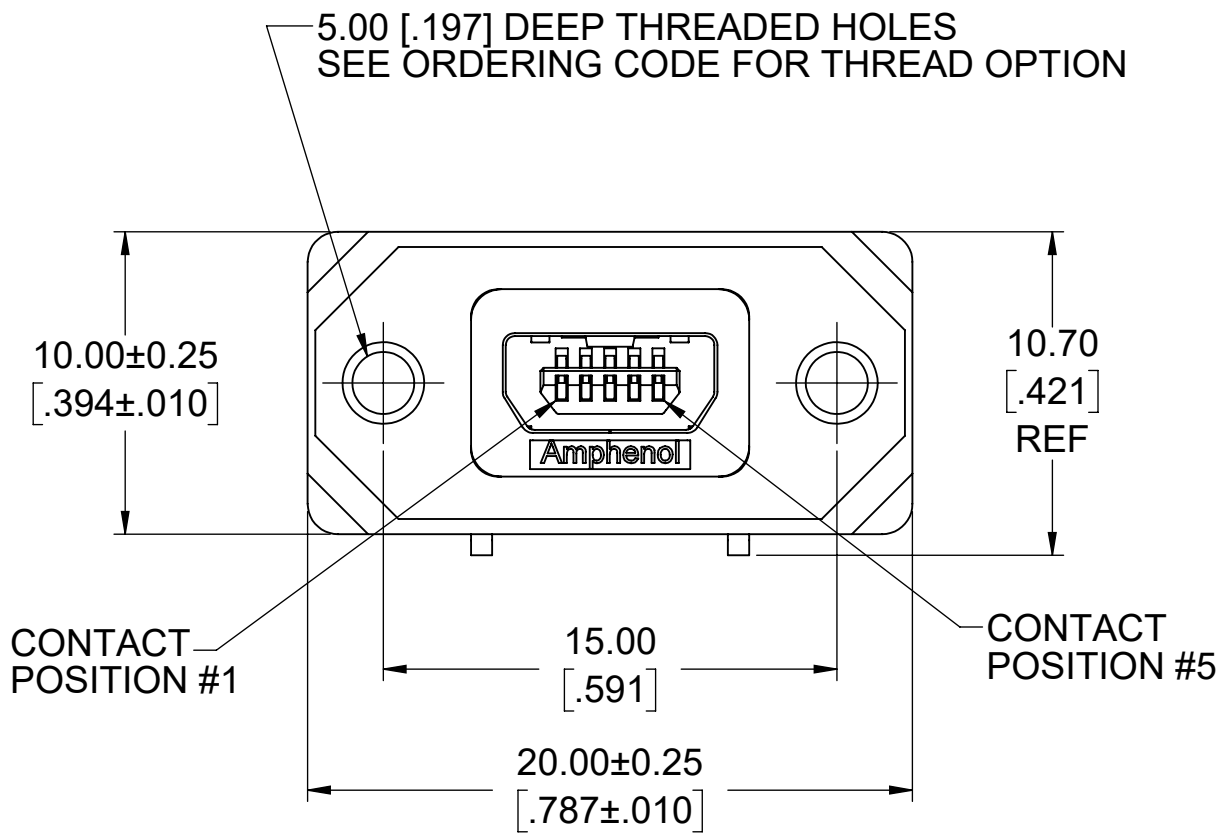


FRONT FLANGE POSITION SHOWN

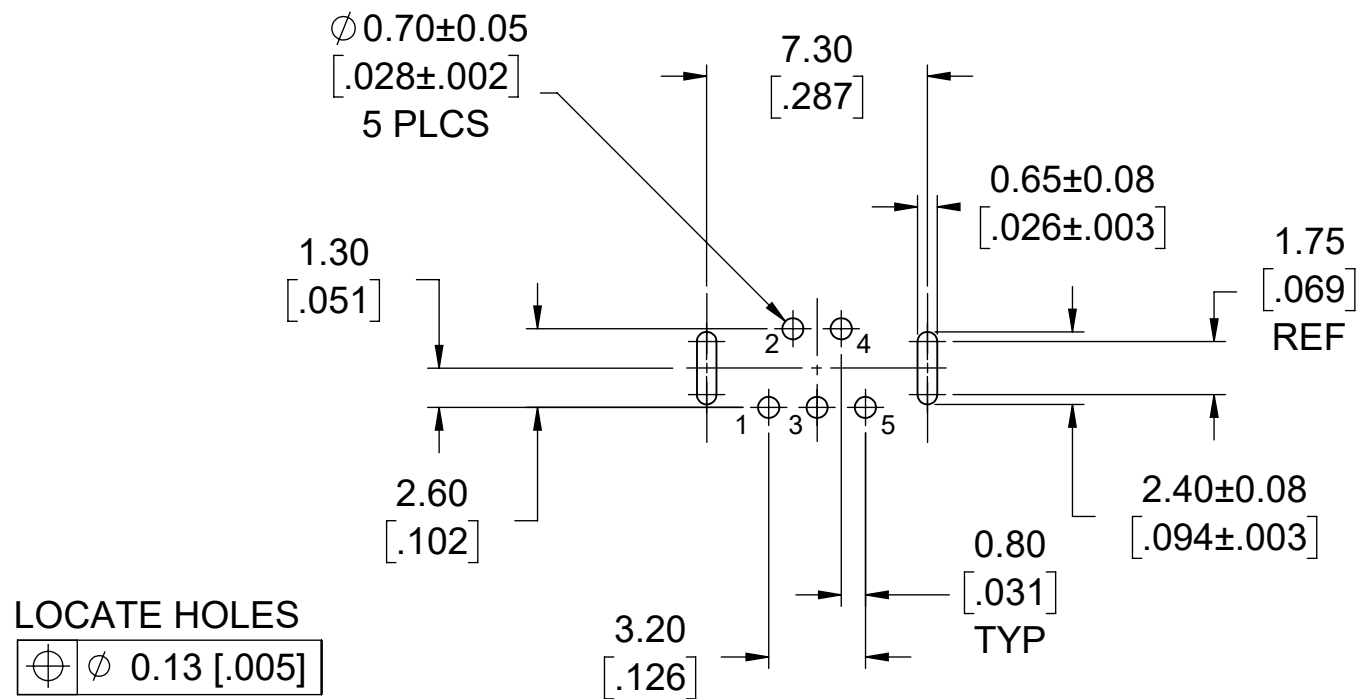
AMPHENOL CANADA PART NUMBERS: MUSBR-E551-3X
MUSBR-E551-MX
MUSBR-E551-UX

UNLESS SPECIFIED OTHERWISE	DRAWN	B.COPPING	SEP10/14	Amphenol Canada Corp. Commercial Products		
PRIMARY UNITS MILLIMETERS	CHECKED	K.LAMBIE	SEP10/14			
SECONDARY INCHES	M.E. APP'D			MUSBR SERIES RUGGED USB MINI-AB RECEPTACLE, VERTICAL PCB TAIL, FLANGE, THREAD & COVER OPTIONS, RoHS COMPLIANT		
REFERENCE IN PARENTHESES	Q.A. APP'D					
GENERAL TOLERANCES	DWG APPR.			DWG. NO. P-MUSBR-E551-XX		
1 DECIMAL PLACE	ENG. REL. NO.	EAR 14162				
2 DECIMAL PLACES ±0.15	REF.			CODE ID NO. 03554 DWG SIZE: X SCALE: 4:1 SHEET 2 OF 3		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION					
ANGULAR DEGREES				REV B		

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
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B	PRODUCT DRAWING (EAR 14848)	AUG06/20	K.L.



RECOMMENDED PANEL CUTOUT
OUTSIDE VIEW OF PANEL




RECOMMENDED PCB LAYOUT
COMPONENT SIDE OF BOARD



REAR FLANGE POSITION SHOWN

AMPHENOL CANADA PART NUMBERS: MUSBR-E551-5X
MUSBR-E551-TX
MUSBR-E551-VX

UNLESS SPECIFIED OTHERWISE	DRAWN	B.COPPING	SEP10/14	<div>Amphenol Canada Corp.</div> <div>Commercial Products</div>				
PRIMARY UNITS MILLIMETERS	CHECKED	K.LAMBIE	SEP10/14					
SECONDARY INCHES	M.E. APP'D			MUSBR SERIES RUGGED USB MINI-AB RECEPTACLE, VERTICAL PCB TAIL, FLANGE, THREAD & COVER OPTIONS, RoHS COMPLIANT				
REFERENCE IN PARENTHESES	Q.A. APP'D							
GENERAL TOLERANCES	DWG APPR.							
	ENG. REL. NO.		EAR 14162					
	REF.							
	THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING					
1 DECIMAL PLACE			DWG. NO.	P-MUSBR-E551-XX			REV B	
2 DECIMAL PLACES								±0.15
3 DECIMAL PLACES								
ANGULAR DEGREES			CODE ID NO.	03554	DWG SIZE: X	SCALE: 4:1	SHEET 3 OF 3	