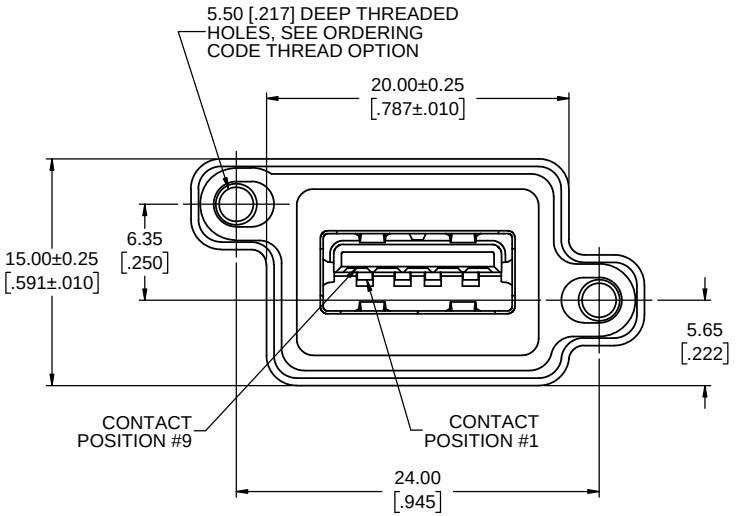
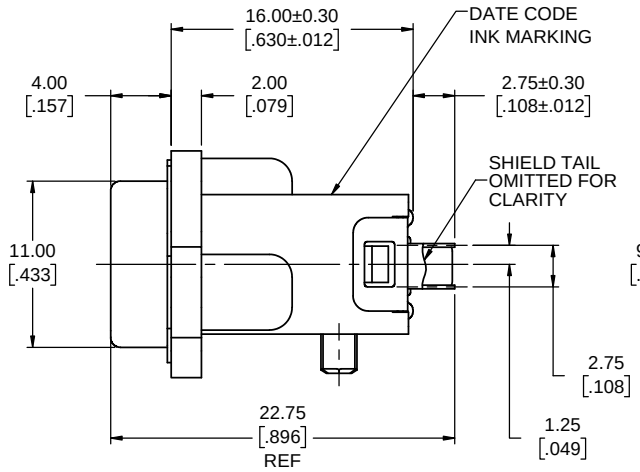
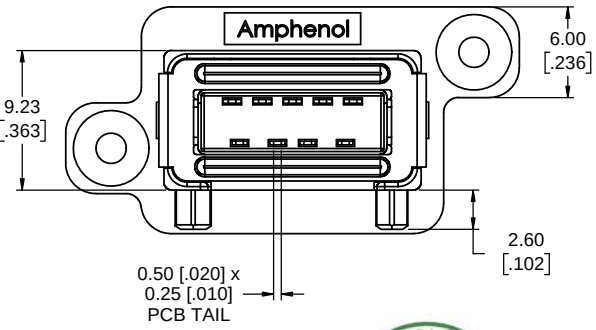
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING (EAR 14408)	MAY24/16	K.L.
B	PROPOSAL DRAWING (EAR 14408)	FEB28/17	K.L.







ORDERING CODE: MUSBR-3593-XX

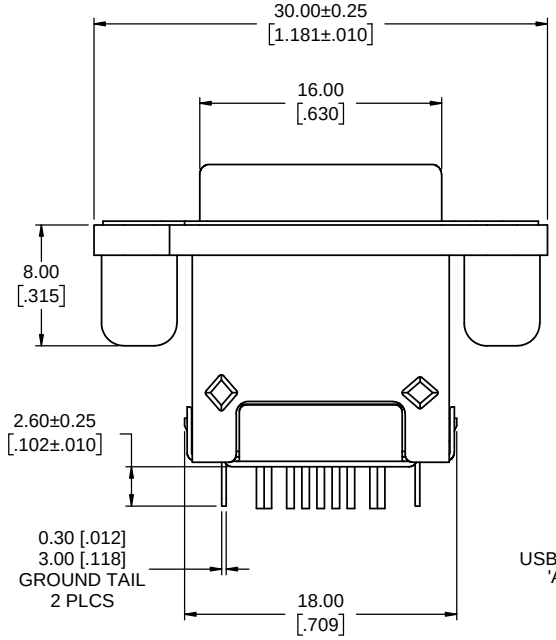
SERIES, RUGGED USB

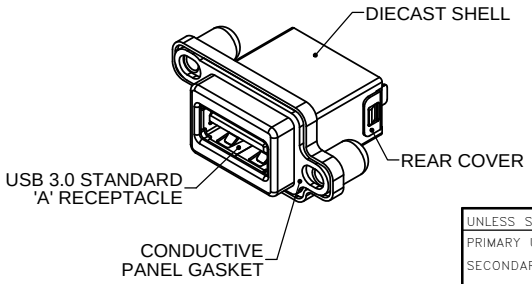
USB 3.0 STANDARD 'A' RECEPTACLE, VERTICAL PCB TAIL

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:

1. 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 & COPPER ALLOY, PLATED WITH 0.76 µm (30 µ") GOLD OVER 1.27 µm (50 µ") MINIMUM NICKEL ON THE MATING AREA WITH MATTE TIN PLATING ON THE TAILS.
   - HOUSINGS - ENGINEERING THERMOPLASTIC, HIGH TEMPERATURE RESISTANT, FLAMMABILITY RATING UL94V-0, MATING AREA - BLUE, OTHERS - BLACK
   - USB SHIELD & REAR COVER - STAINLESS STEEL, PASSIVATED
   - PANEL GASKET - CONDUCTIVE 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.
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 ENCLOSURE PANEL. AVAILABLE DUST COVERS PROVIDE ADDED PROTECTION.
3. CURRENT RATING: 1.8A MAX. FOR POSITIONS 1 & 4, 0.25A MAX. FOR REMAINING POSITIONS
4. CONTACT RESISTANCE: 30 MILLIOHMS MAX. FOR POSITIONS 1 & 4, 50 MILLIOHMS MAX. FOR REMAINING POSITIONS.
5. OPERATING TEMPERATURE: -40°C TO +105°C.
6. 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.

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UNLESS SPECIFIED OTHERWISE	DRAWN	B.COPPING	MAY24/16
PRIMARY UNITS MILLIMETERS	CHECKED	K.LAMBIE	MAY24/16
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE	ENG. REL. NO.	EAR 14408	
2 DECIMAL PLACES ±0.15	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION	DO NOT SCALE DRAWING	
ANGULAR DEGREES			

Amphenol Canada Corp.
www.amphenolcanada.com

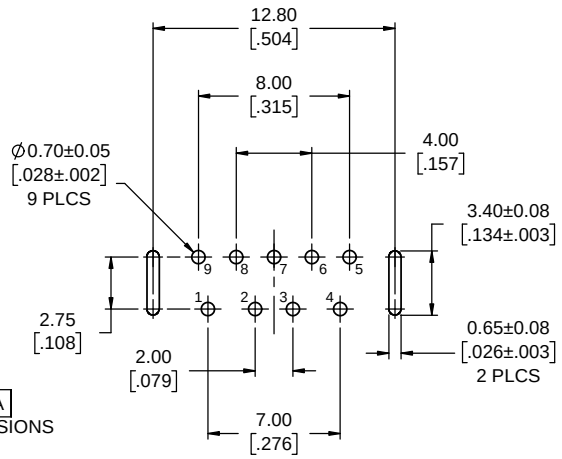
MUSBR RUGGED USB CONNECTOR, 3.0 STANDARD 'A' RECEPTACLE, VERTICAL PCB TAIL, THREAD & DUST COVER OPTIONS, RoHS COMPLIANT

DWG. NO.	REV
P-MUSBR-3593-XX	B

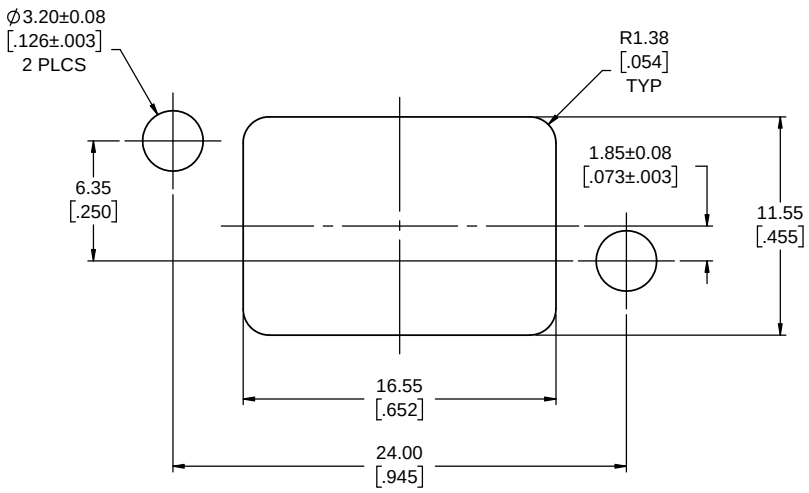
CODE ID NO. 03554 | DWG SIZE: X | SCALE: 4:1 | SHEET 1 OF 2

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING (EAR 14408)	MAY24/16	K.L.
B	PROPOSAL DRAWING (EAR 14408)	FEB28/17	K.L.

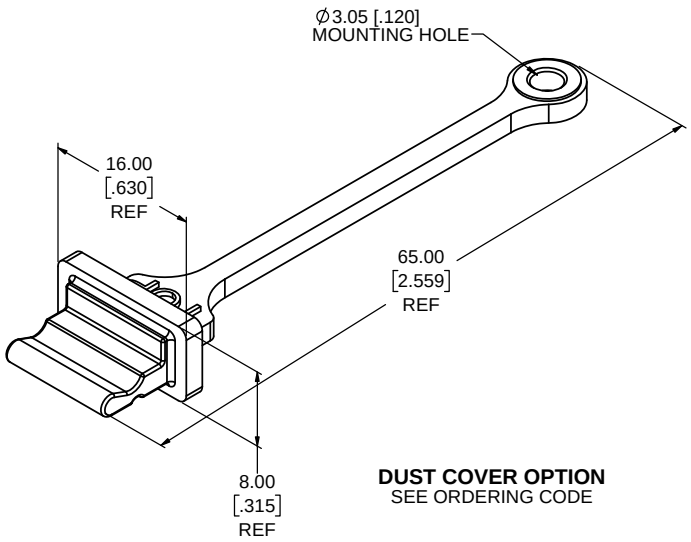
PIN ASSIGNMENT CHART		
POSITION #	SIGNAL NAME	DESCRIPTION
1	VBUS	POWER
2	D-	USB 2.0 DIFFERENTIAL PAIR
3	D+	
4	GND	GROUND FOR POWER RETURN
5	STDA_SSRX-	SS RECEIVER DIFFERENTIAL PAIR
6	STDA_SSRX+	
7	GND_DRAIN	GROUND FOR SIGNAL RETURN
8	STDA_SSTX-	SS TRANSMITTER DIFFERENTIAL PAIR
9	STDA_SSTX+	
SHELL	SHIELD	CONNECTOR METAL SHELL



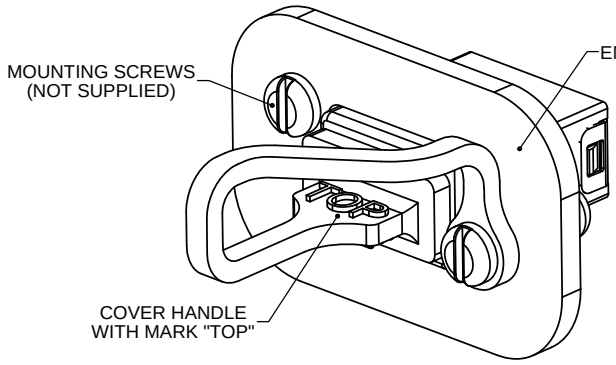
RECOMMENDED PCB LAYOUT
COMPONENT SIDE OF BOARD



RECOMMENDED PANEL CUTOUT
OUTSIDE VIEW OF PANEL



DUST COVER OPTION
SEE ORDERING CODE



DUST COVER APPLICATION VIEW

AMPHENOL CANADA CORP RoHS COMPLIANT 2011/65/EU RECAST

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SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE	ENG. REL. NO.	EAR 14408	
2 DECIMAL PLACES ±0.15	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING
ANGULAR DEGREES			

Amphenol Canada Corp.
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MUSBR RUGGED USB CONNECTOR, 3.0 STANDARD 'A' RECEPTACLE, VERTICAL PCB TAIL, THREAD & DUST COVER OPTIONS, RoHS COMPLIANT

DWG. NO. P-MUSBR-3593-XX REV B

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