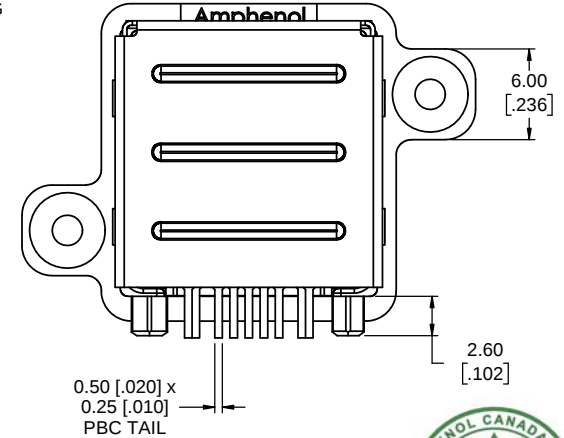
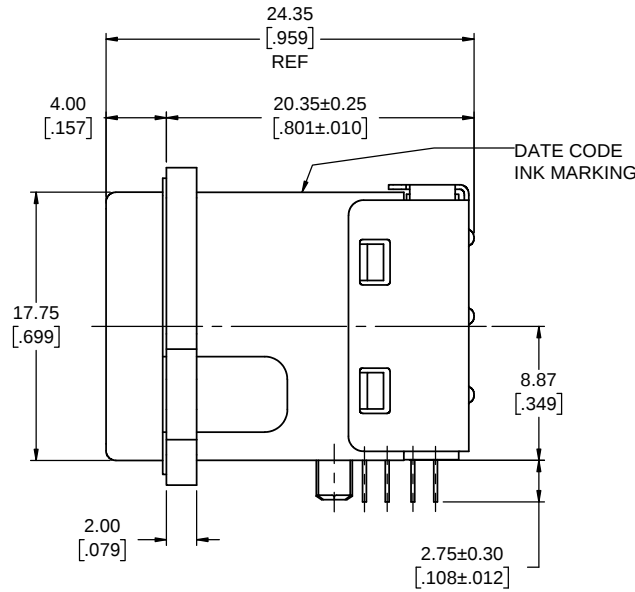
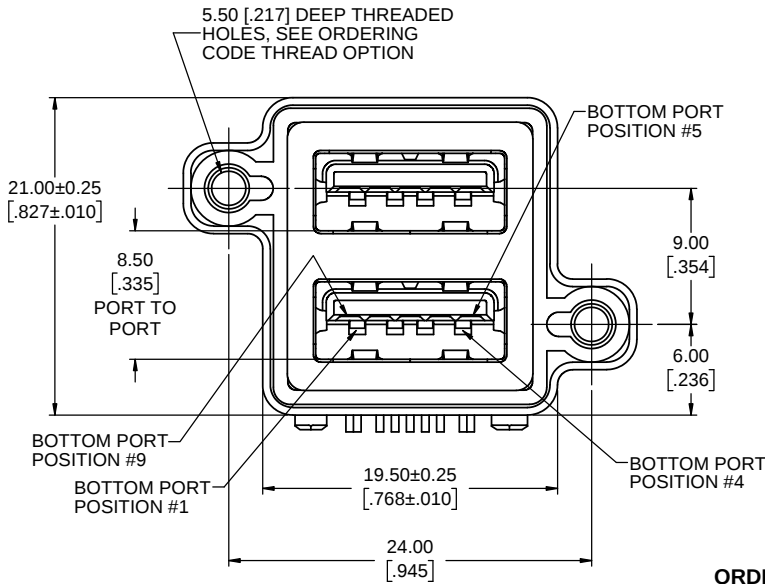




ORDERING CODE: M U S B R - 4 1 9 3 - X X

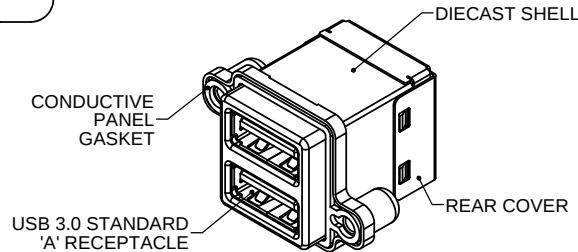
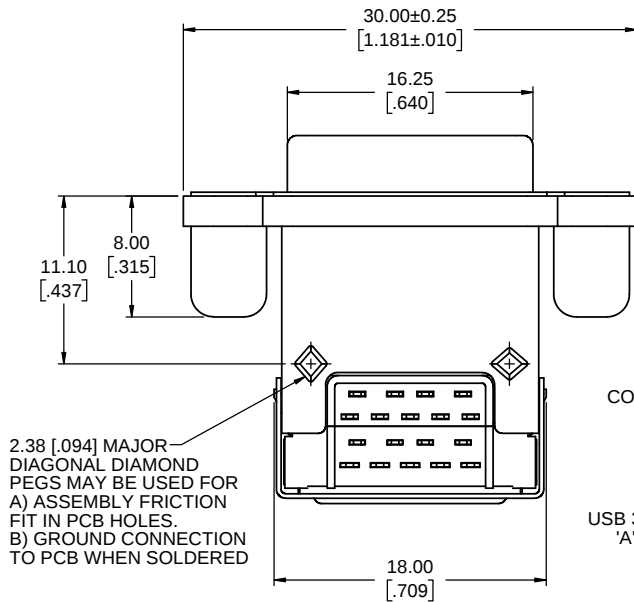
SERIES, RUGGED USB
USB 3.0 STANDARD 'A' RECEPTACLE,
STACKED, RIGHT ANGLE PCB TAIL

THREAD OPTION
3 = #4-40 UNC THREAD
M = M3 x 0.5 THREAD
DUST COVER OPTION
0 = NO DUST COVERS 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.

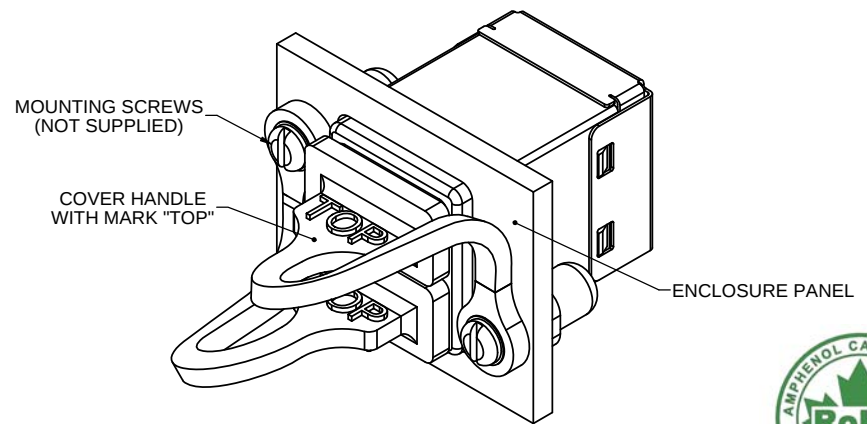
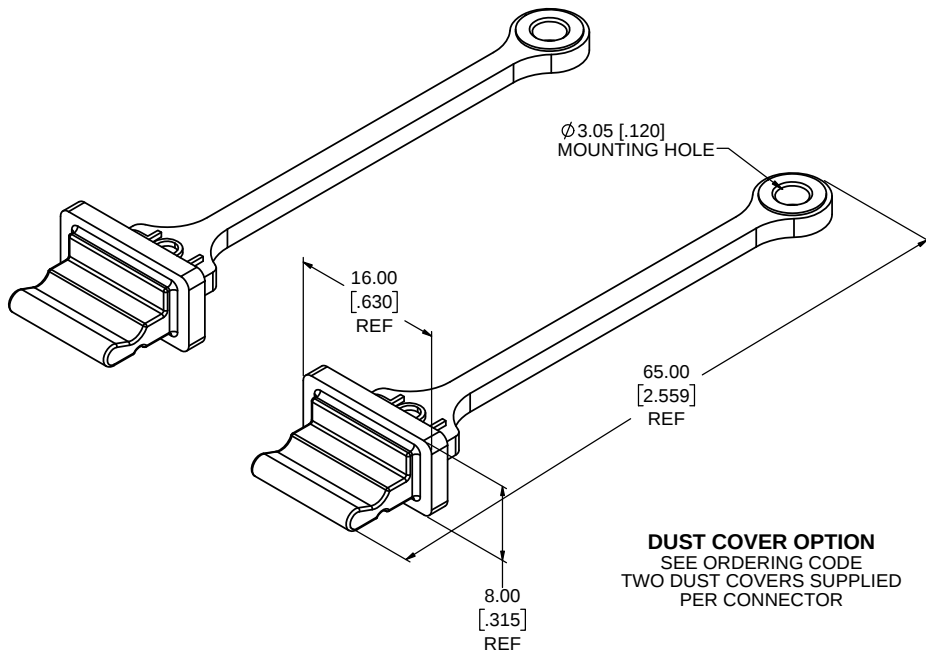
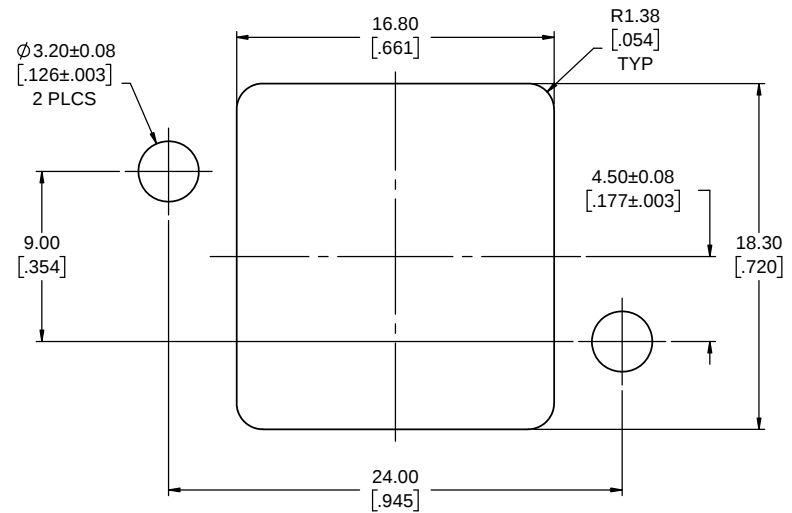
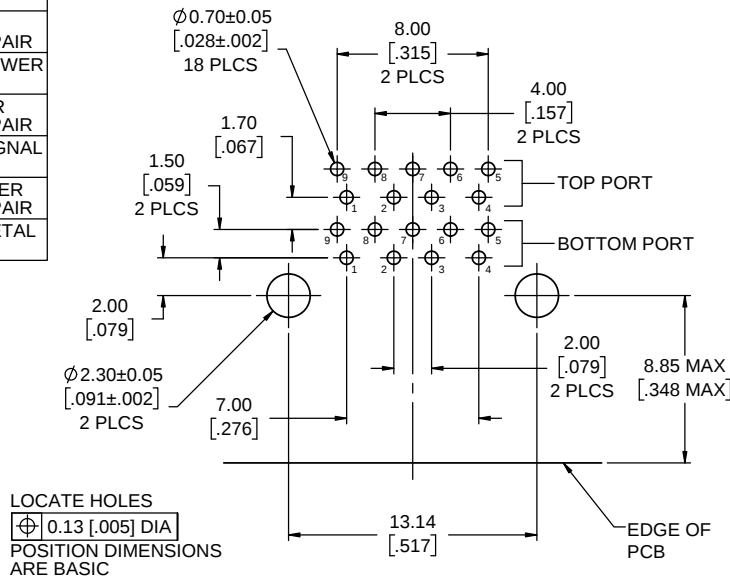
NOTES:

- MATERIAL:**
 - ALL MATERIALS ARE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS
 - OUTER SHELL - DIECAST ZINC ALLOY, 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.
- 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: 1.8A MAX. FOR POSITIONS 1 & 4, 0.25A MAX. FOR REMAINING POSITIONS
- CONTACT RESISTANCE: 30 MILLIOHMS MAX. FOR POSITIONS 1 & 4, 50 MILLIOHMS MAX. FOR REMANING POSITIONS.
- 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	B.COPPING		JUN29/15		Amphenol Canada Corp. www.amphenolcanada.com MUSBR RUGGED USB CONNECTOR, 3.0 STANDARD 'A' RECEPTACLE, STACKED, RIGHT ANGLE PCB TAIL, THREAD & DUST COVER OPTIONS, RoHS COMPLIANT			
PRIMARY UNITS MILLIMETERS		CHECKED	K.LAMBIE		JUN29/15					
SECONDARY		INCHES		M.E. APP'D						
REFERENCE IN PARENTHESES				Q.A. APP'D						
GENERAL TOLERANCES			DWG APPR.				DWG. NO.			
1 DECIMAL PLACE		ENG. REL. NO.		EAR 14374						
2 DECIMAL PLACES		±0.15		REF.				P-MUSBR-4193-XX		REV
3 DECIMAL PLACES				THIRD ANGLE PROJECTION				DO NOT SCALE DRAWING		C
ANGULAR DEGREES								CODE ID NO. 03554 DWG. SIZE: X SCALE: 4:1 SHEET 1 OF 2		

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



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PRIMARY UNITS MILLIMETERS		CHECKED	K.LAMBIE	JUN29/15		
SECONDARY INCHES		M.E. APP'D				
REFERENCE IN PARENTHESES		Q.A. APP'D				
GENERAL TOLERANCES		DWG APPR.			DWG. NO.	REV C
1 DECIMAL PLACE		ENG. REL. NO.		EAR 14374		
2 DECIMAL PLACES ±0.15		REF.				
3 DECIMAL PLACES		THIRD ANGLE PROJECTION				
ANGULAR DEGREES		DO NOT SCALE DRAWING			P-MUSBR-4193-XX	
		CODE ID NO. 03554		DWG SIZE: X	SCALE: 5:1	SHEET 2 OF 2