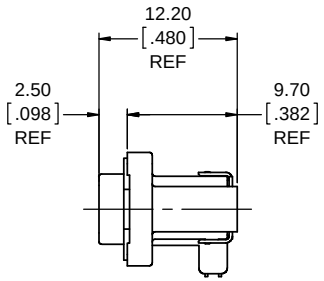
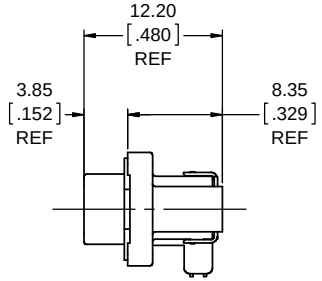
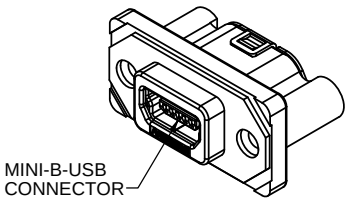
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING (EAR 14162)	SEP9/14	K.L.
B	UPDATED PCB LAYOUT (EAR 14162)	JUL8/15	K.L.

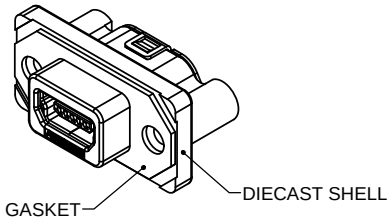
FRONT FLANGE POSITION

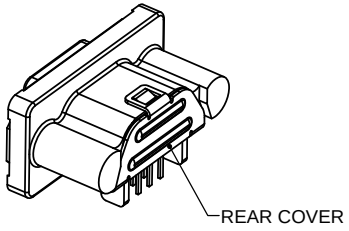


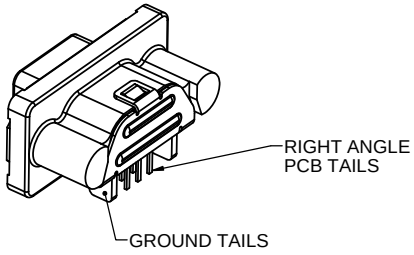
REAR FLANGE POSITION



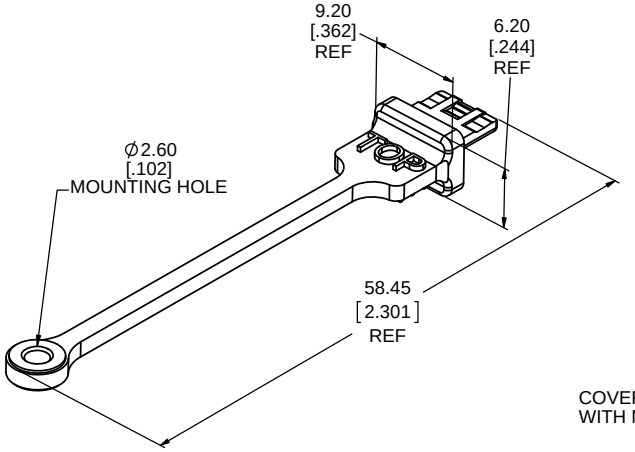




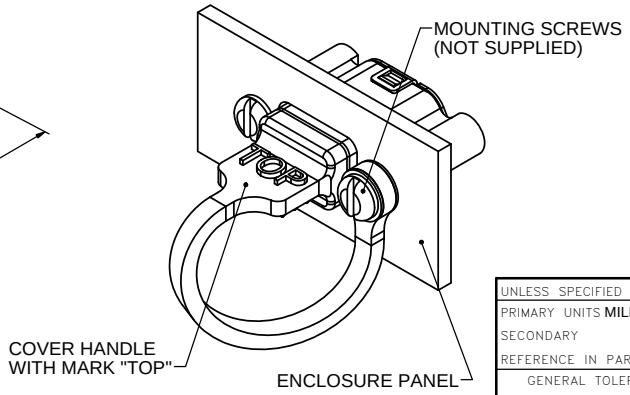




DUST COVER OPTION



DUST COVER APPLICATION VIEW



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

SERIES, RUGGED USB

USB MINI-B RECEPTACLE
RIGHT ANGLE 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

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.

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, 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 & REAR COVER: STAINLESS STEEL, PASSIVATED
   - 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 ENCLOSURE PANEL. AVAILABLE DUST COVERS PROVIDE ADDED PROTECTION.
3. CURRENT RATING: 1 AMPERE.
4. CONTACT RESISTANCE: 50 MILLIOHMS MAXIMUM.
5. OPERATING TEMPERATURE: -40°C TO +105°C.
6. DUST COVERS MAY BE ORDERED SEPARATELY. SPECIFY:
   - PART NUMBER MUSB-2E151-005BP FOR GREY COVER
   - PART NUMBER MUSB-2E151-015BP FOR BLACK COVER

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	B.COPPING	SEP10/14
PRIMARY UNITS MILLIMETERS	CHECKED	K.LAMBIE	SEP10/14
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE	ENG. REL. NO.	EAR 14162	
2 DECIMAL PLACES ±0.15	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION	DO NOT SCALE DRAWING	
ANGULAR DEGREES			

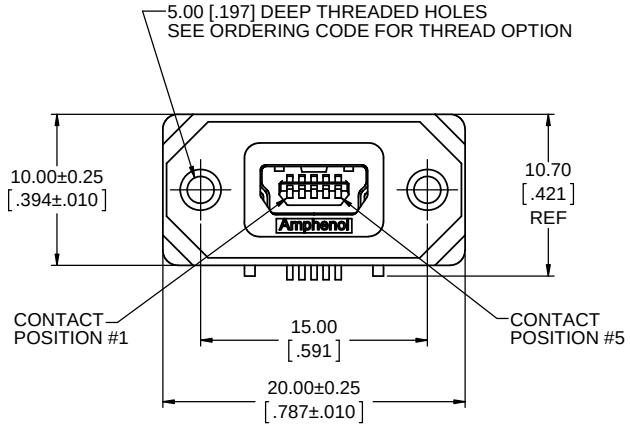
Amphenol Canada Corp.
www.amphenolcanada.com

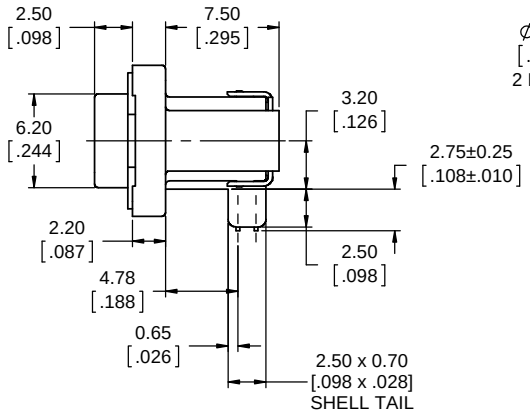
MUSBR SERIES RUGGED USB MINI-B RECEPTACLE, RIGHT ANGLE PCB TAIL, FLANGE, THREAD & COVER OPTIONS, RoHS COMPLIANT

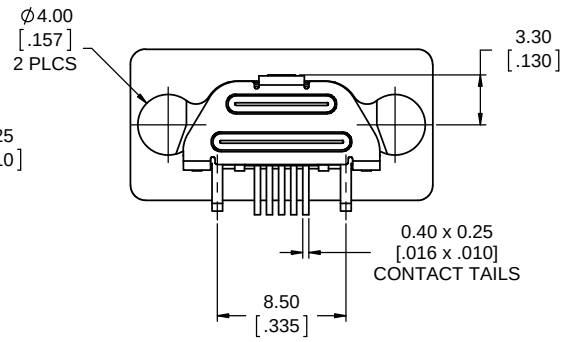
DWG. NO. P-MUSBR-B151-XX REV B

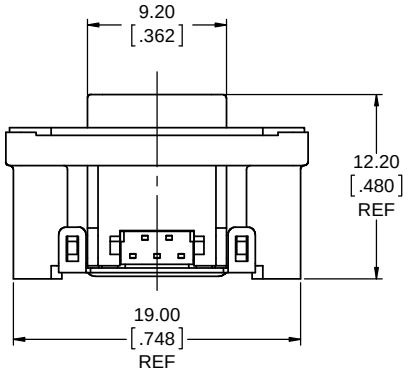
CODE ID NO. 03554 | DWG SIZE: X | SCALE: 3:1 | SHEET 1 OF 3

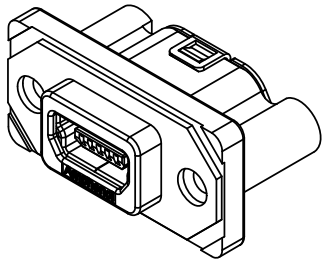
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING (EAR 14162)	SEP9/14	K.L.
B	UPDATED PCB LAYOUT (EAR 14162)	JUL8/15	K.L.

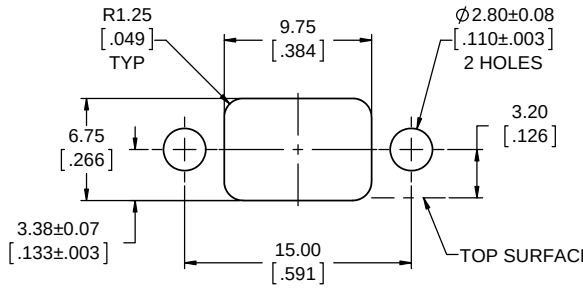




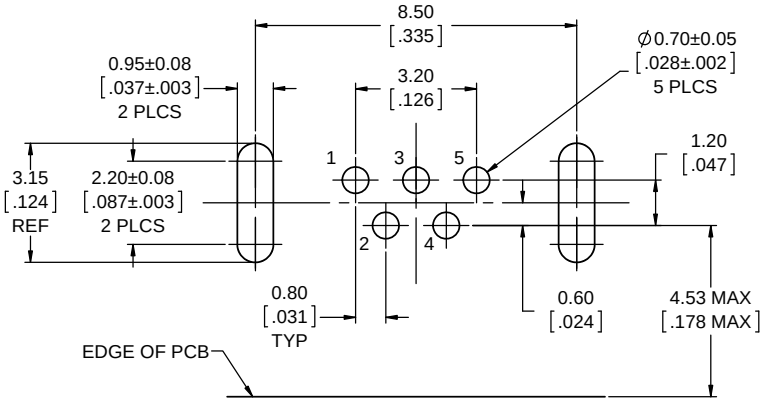








RECOMMENDED PANEL CUTOUT
OUTSIDE VIEW OF PANEL



RECOMMENDED PCB LAYOUT
COMPONENT SIDE OF BOARD

LOCATE HOLES
⌖ | ∅ 0.13 [.005]
POSITION DIMENSIONS
ARE BASIC

FRONT FLANGE POSITION SHOWN

AMPHENOL CANADA PART NUMBERS: MUSBR-B151-3X
MUSBR-B151-MX

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	B.COPPING	SEP10/14
PRIMARY UNITS MILLIMETERS	CHECKED	K.LAMBIE	SEP10/14
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE	ENG. REL. NO.	EAR 14162	
2 DECIMAL PLACES ±0.15	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING
ANGULAR DEGREES			

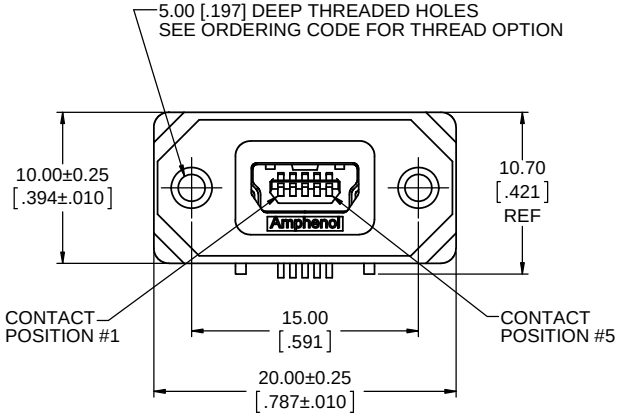
Amphenol Canada Corp.
www.amphenolcanada.com

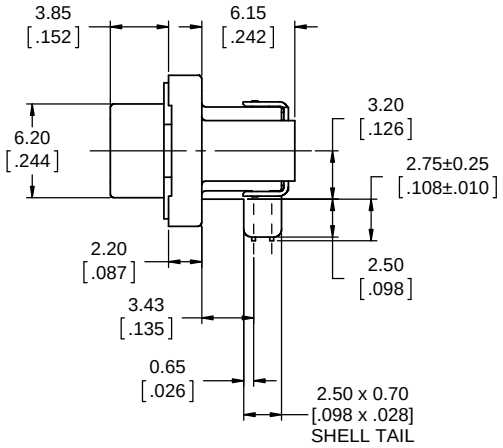
MUSBR SERIES RUGGED USB MINI-B RECEPTACLE, RIGHT ANGLE PCB TAIL, FLANGE, THREAD & COVER OPTIONS, RoHS COMPLIANT

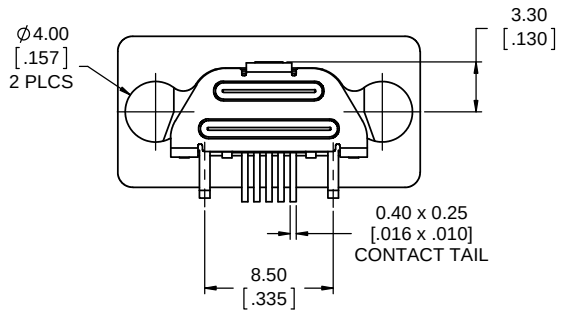
DWG. NO. P-MUSBR-B151-XX REV B

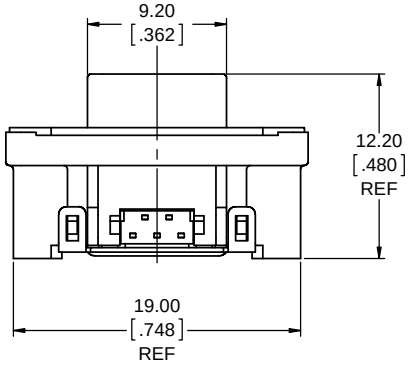
CODE ID NO. 03554 | DWG SIZE: X | SCALE: 4:1 | SHEET 2 OF 3

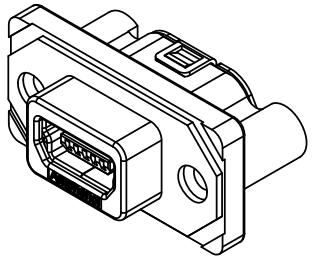
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING (EAR 14162)	SEP9/14	K.L.
B	UPDATED PCB LAYOUT (EAR 14162)	JUL8/15	K.L.

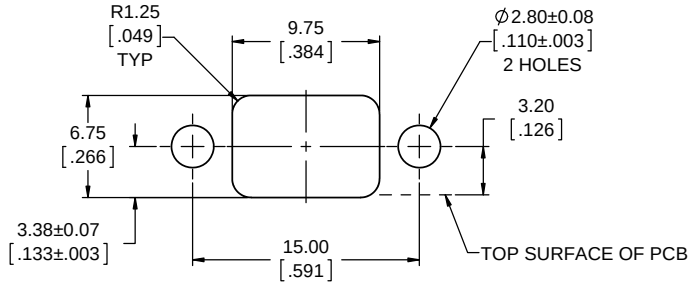




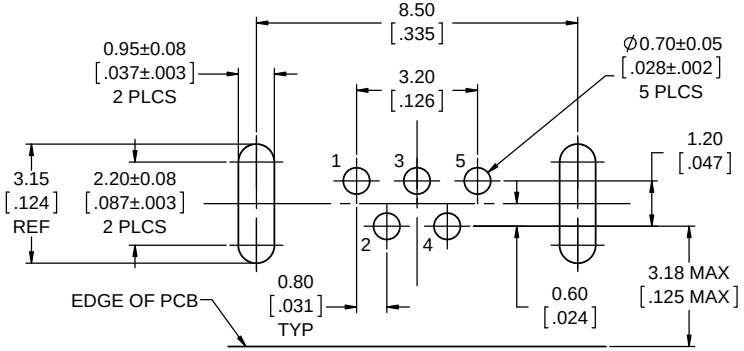








RECOMMENDED PANEL CUTOUT
OUTSIDE VIEW OF PANEL



RECOMMENDED PCB LAYOUT
COMPONENT SIDE OF BOARD

LOCATE HOLES
⌖ Ø 0.13 [.005]
POSITION DIMENSIONS
ARE BASIC

REAR FLANGE POSITION SHOWN

AMPHENOL CANADA PART NUMBERS: MUSBR-B151-5X
MUSBR-B151-TX

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	B.COPPING	SEP09/14
PRIMARY UNITS MILLIMETERS	CHECKED	K.LAMBIE	SEP09/14
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE	ENG. REL. NO.	EAR 14162	
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 SERIES RUGGED USB MINI-B RECEPTACLE, RIGHT ANGLE PCB TAIL, FLANGE, THREAD & COVER OPTIONS, RoHS COMPLIANT

DWG. NO.	REV
P-MUSBR-B151-XX	B

CODE ID NO. 03554 | DWG SIZE: X | SCALE: 4:1 | SHEET 3 OF 3

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Amphenol:

67996-204HLF 70218-1116LF 54202-S08-07LF 65781-158 68002116HLF 70234-112LF 70430-164LF
86093967896755LF CD15S13E4RV09LF 76384-316LF 86093968191755E3LF DAPO15S365TLF DCMF37P
RJSBE5080C2 54202-G0805CLF 86093488314745V1LF 863013A 95157-140LF LD15P33E4GV00LF
68001-200HLF 69192-408HLF 91614-403ALF D15P13A6RV12LF DEM09P032N LD25S33E4GV00LF
68000-236HLF 68001-108HLF 86093968813H45V1LF 86130202123355E1LF RJE061661210