

REVISIONS			
REV	DESCRIPTION, ECG, EAR NO.	DATE	APPD
E	PRODUCT DRAWING EAR 14606	SEP12/17	K.L.
F	PRODUCT DRAWING EAR 14608	SEP20/17	K.L.

ORDERING CODE: M USBR - M5C1 - XX

SERIES, RUGGED USB

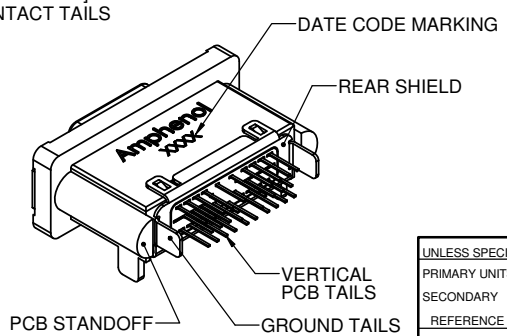
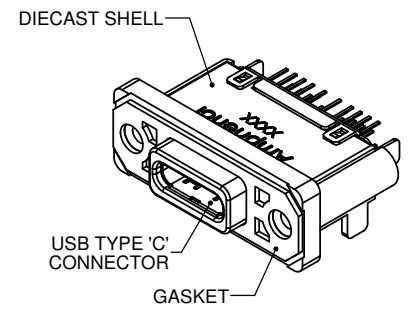
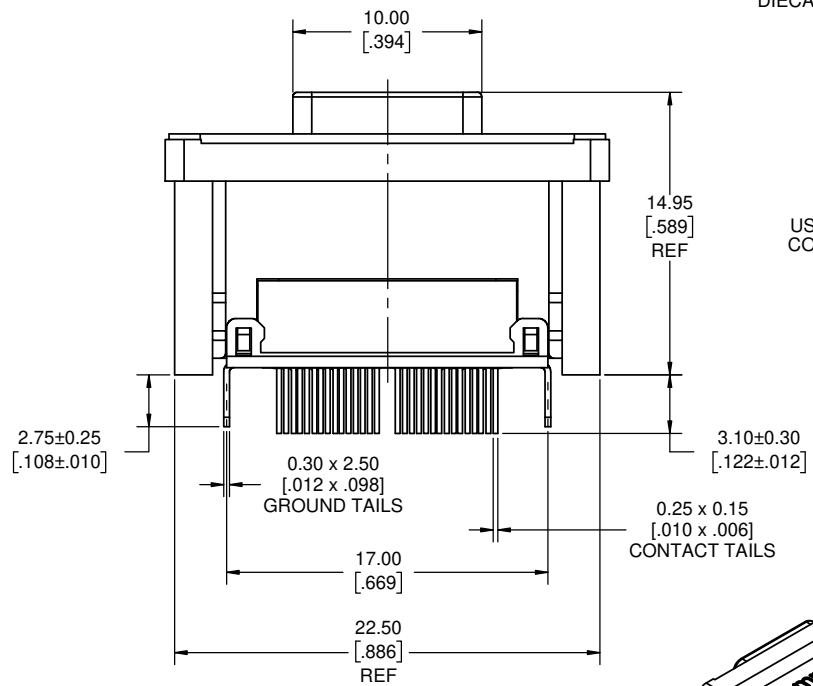
USB TYPE 'C' RECEPTACLE, SINGLE PORT, VERTICAL PCB TAILS, 24 CONTACTS

MOUNTING HOLE THREAD OPTION:
 3 = #2-56 UNC THREAD
 M = M2.5 X 0.45 THREAD

DUST COVER OPTION
 0 = NO DUST COVER SUPPLIED
 1 = WITH GREY DUST COVER SUPPLIED
 5 = WITH BLACK DUST COVER SUPPLIED
 SEE SHEET 2 FOR DUST COVER VIEWS

NOTES:

- MATERIAL:**
 ALL MATERIALS ARE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS
 - OUTER SHELL: DIECAST ZINC ALLOY, MATTE TIN OVER NICKEL PLATING
 - CONTACTS: COPPER ALLOY, PLATED WITH 0.76µm [30µ"] MINIMUM GOLD OVER 1.27µm [50µ"] MINIMUM NICKEL ON THE MATING AREA WITH MATTE TIN OVER NICKEL ON THE TAILS
 - USB HOUSING: ENGINEERING THERMOPLASTIC, HIGH TEMPERATURE RESISTANT, FLAMMABILITY RATING UL94V-0, BLACK
 - USB SHIELD: STAINLESS STEEL, PASSIVATED
 - REAR COVER: STAINLESS STEEL, MATTE TIN OVER NICKEL PLATING
 - GASKET: CONDUCTIVE SILICONE RUBBER, BLACK
 - DUST COVER - SILICONE RUBBER WITH NICKEL PLATED BRASS BUSHING. SEE ORDERING CODE FOR COLOUR OPTION.
- 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.**
- CURRENT RATING: COLLECTIVELY 5A MAX. FOR PINS A4, A9, B4 & B9 PLUS 1.25A MAX. FOR PIN B5 WITH RETURN PATH SHARED THROUGH PINS A1, A12, B1 & B12. ADDITIONAL POSITIONS 0.25A MAX. EACH.**
- CONTACT RESISTANCE: 40 MILLIOHMS MAXIMUM INITIAL.**
- OPERATING TEMPERATURE: -40°C TO +105°C.**
- DUST COVERS MAY BE ORDERED SEPARATELY. SPECIFY**
 - PART NUMBER MUSBR-2M5C-004BP FOR GREY COVER OR
 - PART NUMBER MUSBR-2M5C-014BP FOR BLACK COVER



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UNLESS SPECIFIED OTHERWISE	DRAWN	J. FISHER	MAR25/15
PRIMARY UNITS MILLIMETERS	CHECKED	K. LAMBIE	MAR26/15
SECONDARY INCHES	M.E. APPD		
REFERENCE IN PARENTHESES	Q.A. APPD		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE	ENG. REL. NO.	EAR 14354	
2 DECIMAL PLACES ±0.15	REF.		
3 DECIMAL PLACES ±0.05	THIRD ANGLE PROJECTION		
ANGULAR DEGREES	DO NOT SCALE DRAWING		

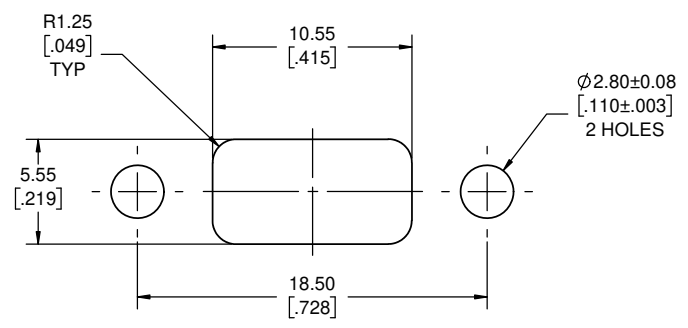
Amphenol Canada Corp.
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RUGGED USB TYPE 'C' RECEPTACLE, VERTICAL PCB MOUNT, RoHS COMPLIANT

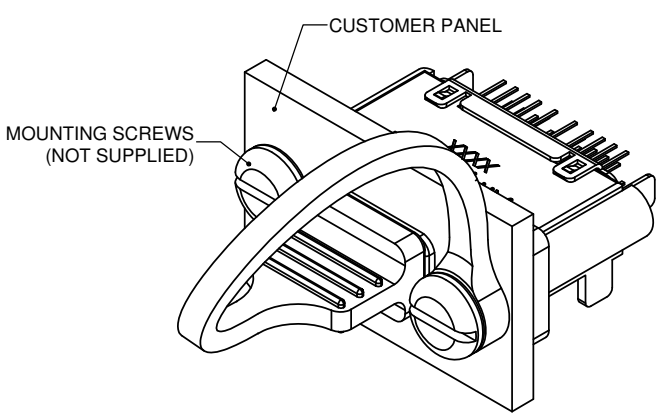
DWG. NO. **P-MUSBR-M5C1-XX** REV **F**

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

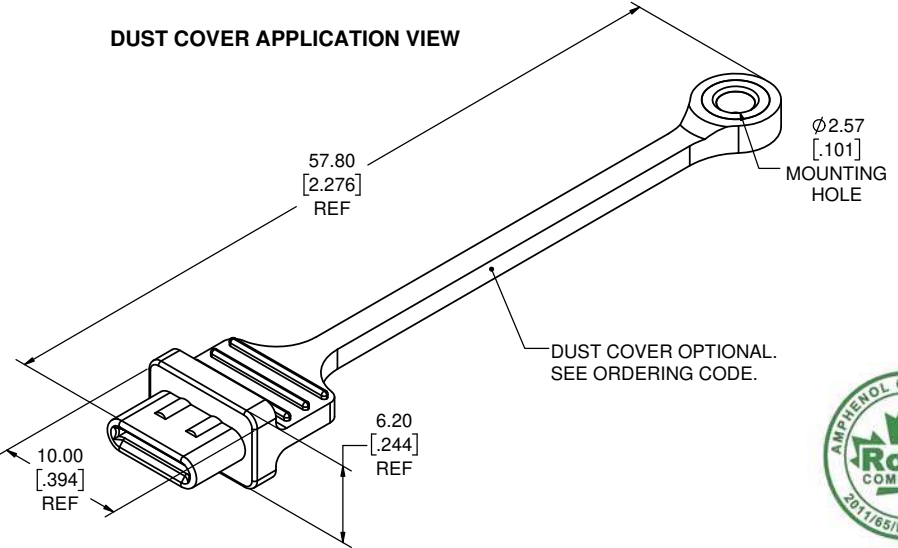
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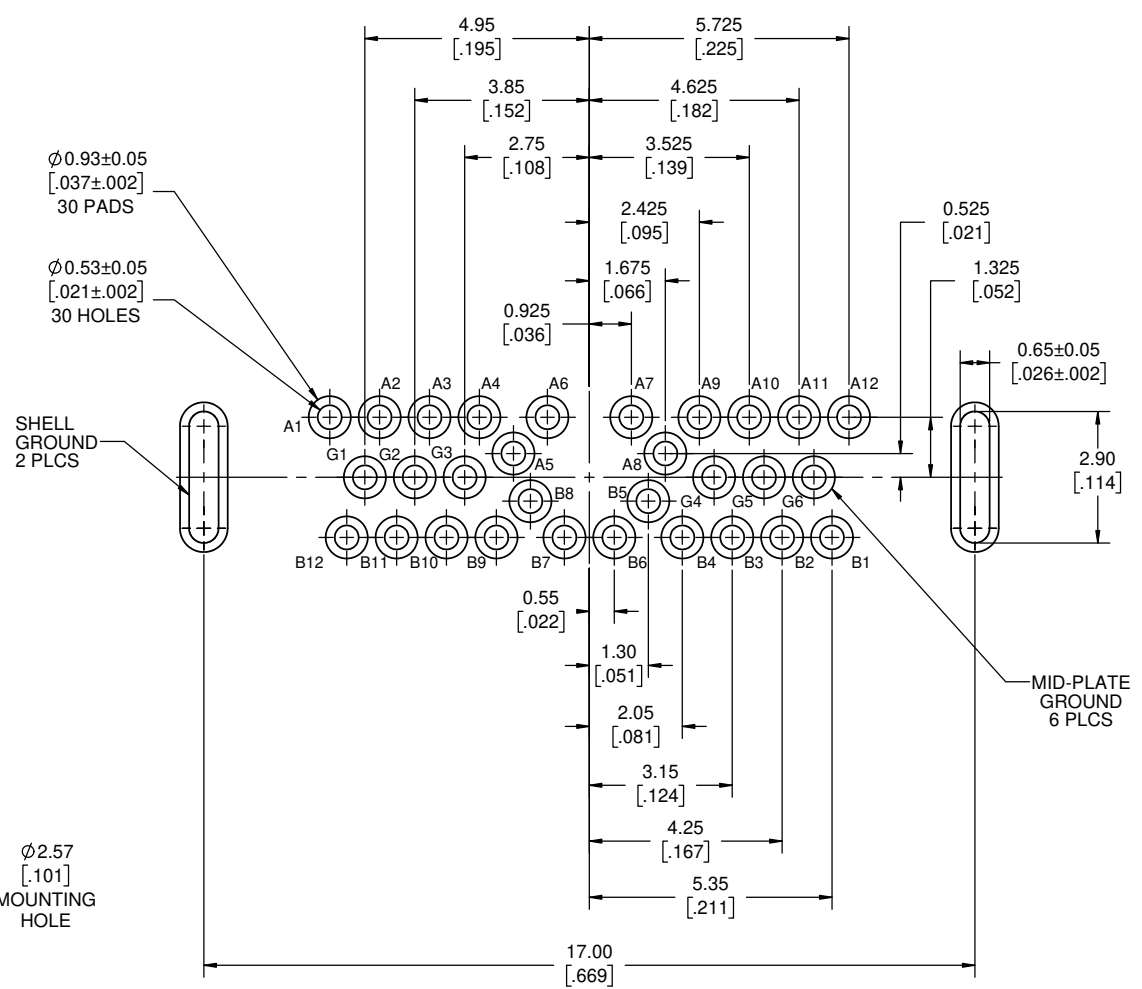
RECOMMENDED PANEL CUTOUT
OUTSIDE VIEW OF PANEL



DUST COVER APPLICATION VIEW



DUST COVER OPTIONAL.
SEE ORDERING CODE.



RECOMMENDED PCB LAYOUT
COMPONENT SIDE OF BOARD



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**RUGGED USB TYPE 'C' RECEPTACLE,
VERTICAL PCB MOUNT,
RoHS COMPLIANT**

DWG. NO. **P-MUSBR-M5C1-XX** REV **F**

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