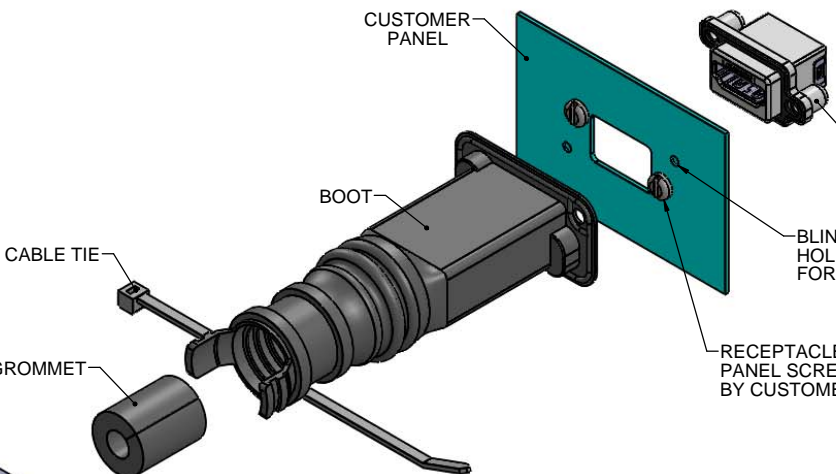


ASSEMBLY WITH THUMB SCREW SHOWN

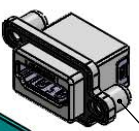


CUSTOMER PANEL

BOOT

CABLE TIE

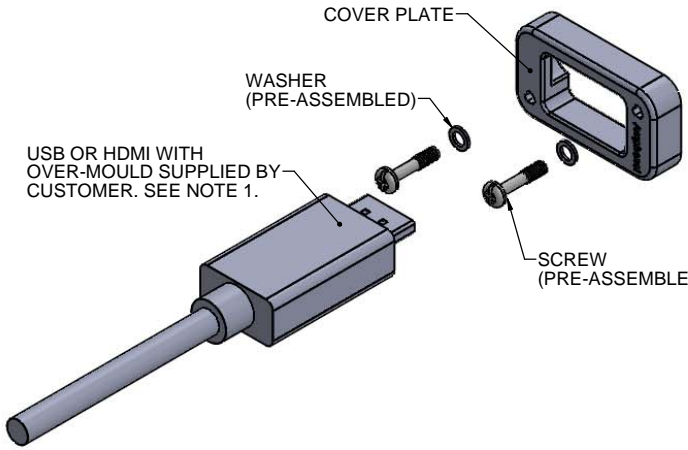
SPLIT GROMMET



MUSBR OR MHDR CONNECTOR TO BE PURCHASED SEPARATELY. SEE NOTE 1.

BLIND/SEALED THREADED HOLES RECOMMENDED FOR CUSTOMER PANEL

RECEPTACLE CONNECTOR PANEL SCREWS SUPPLIED BY CUSTOMER



COVER PLATE

WASHER (PRE-ASSEMBLED)

SCREW (PRE-ASSEMBLED)

USB OR HDMI WITH OVER-MOULD SUPPLIED BY CUSTOMER. SEE NOTE 1.



**NOTES**

- THIS HOOD IS SUITABLE FOR USE WITH AMPHENOL RUGGED USB & HDMI RECEPTACLES - AMPHENOL SERIES MUSBR-A (TYPE A 2.0 LOW PROFILE), MUSBR-3 (TYPE A 3.0) AND MHDR (TYPE A).
- KIT CONTAINS ONE BOOT, ONE COVER PLATE, UP TO TWO SPLIT GROMMETS, ONE CABLE TIE, TWO SCREWS & TWO WASHERS. SCREWS & WASHERS ARE SUPPLIED PRE-ASSEMBLED TO THE COVER PLATE. SCREWS WILL FLOAT & BE CAPTURED BY THE COVER PLATE TO MINIMIZE LOSS OF PARTS DURING USE.
- THE HOOD CAN BE FIELD OR FACTORY ASSEMBLED OVER EXISTING STANDARD USB OR HDMI PLUGS THAT ARE ALREADY TERMINATED TO A CABLE. SEE DRAWING SHEET 3 FOR A SUGGESTED ASSEMBLY PROCEDURE. FOR IMPROVED SEALING PERFORMANCE, THE USE OF A CABLE TIE GUN TO TIGHTEN THE CABLE TIE IS RECOMMENDED (EXAMPLE: PALADIN TOOLS CABLE TIE GUN P/N 1828.1 WITH SETTING 1). THE ASSEMBLY PROCEDURE CAN BE ALTERED TO SUIT CUSTOMER PREFERENCES OR REQUIREMENTS.
- CUSTOMER PANEL REQUIRES TWO ADDITIONAL MOUNTING HOLES. THESE HOLES ARE RECOMMENDED TO BE BLIND/SEALED HOLES SO THAT ENCLOSURE REMAINS SEALED. IN UNMATED CONDITION, RECEPTACLE MAINTAINS ENCLOSURE SEAL. IN MATED CONDITION, BOOT ASSEMBLY ENSURES SEAL OF MATING INTERFACE AREA.
- BOOT ACCORDION SECTION ALLOWS FLEXIBILITY FOR CABLE TIE LOCATION ALONG CABLE LENGTHWISE. THIS MAY BE NECESSARY TO SUIT EXTRA LONG PLUG OVER-MOULDINGS OR TO AVOID FERRITES MOULDED INTO THE CABLE. IF A MATING RECEPTACLE & PANEL ARE NOT AVAILABLE DURING BOOT ASSEMBLY, THE ACCORDION SECTION ALSO ALLOWS FLEXIBILITY FOR THE BOOT FLANGE LOCATION.
- FLEXIBILITY OF BOOT PERMITS PLUG/RECEPTACLE INTERFACE TO BE UNMATED & RE-MATED WITHOUT DIS-ASSEMBLY OR REMOVAL OF THE PLUG HOOD. THIS FEATURE SIMPLIFIES EQUIPMENT TEST & DIAGNOSTICS IN FIELD SERVICE APPLICATIONS.
- MATERIAL: ALL MATERIALS ARE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU & AMENDMENTS
  - BOOT: FLEXIBLE RUBBER, BLACK & TRANSLUCENT OPTIONS
  - COVER PLATE: THERMOPLASTIC POLYESTER OR NYLON, GLASS REINFORCED, BLACK
  - HARDWARE: STAINLESS STEEL
  - CABLE TIE: NYLON, BLACK
  - GROMMET: SILICONE RUBBER, BLACK
- GROMMET CODE 21 (4.50 [.177] I.D.) IS SUITABLE FOR CABLES UP TO 4.50 [.177] OUTSIDE JACKET DIAMETER. GROMMET CODE 31 (6.40 [.252] I.D.) IS SUITABLE FOR CABLES BETWEEN 4.50 [.177] & 6.50 [.256] OUTSIDE JACKET DIAMETER. LARGER DIAMETER CABLES DO NOT REQUIRE A GROMMET.
- TO ORDER CABLE TIES SEPARATELY, SPECIFY P/N MUSBR-2AHD-501BP.
- OPERATING TEMPERATURE -55°C TO +105°C.

**ORDERING CODE:**

**MUSBR - AHD3 - X X1 XX**

SERIES, RUGGED USB \_\_\_\_\_

HOOD, BOOT STYLE \_\_\_\_\_

SCREW, THREAD & BOOT OPTIONS \_\_\_\_\_

2 = SCREW - #4-40 UNC THREAD, BLACK BOOT

3 = THUMB SCREW - #4-40 UNC THREAD, BLACK BOOT

7 = SCREW - #4-40 UNC THREAD, TRANSLUCENT BOOT

8 = THUMB SCREW - #4-40 UNC THREAD, TRANSLUCENT BOOT

L = SCREW - M3 x 0.5 THREAD, BLACK BOOT

M = THUMB SCREW - M3 x 0.5 THREAD, BLACK BOOT

S = SCREW - M3 x 0.5 THREAD, TRANSLUCENT BOOT

T = THUMB SCREW - M3 x 0.5 THREAD, TRANSLUCENT BOOT

GROMMET OPTION \_\_\_\_\_

01 = NO GROMMET

21 = 4.50 [.177] INSIDE DIAMETER GROMMET

31 = 6.40 [.252] INSIDE DIAMETER GROMMET

41 = WITH BOTH 4.50 [.177] & 6.40 [.252] GROMMETS

PACKAGING OPTIONS \_\_\_\_\_

BP = BULK PACKED, COMPONENTS BAGGED SEPARATELY IN CARTON

SK = SINGLE KIT, COMPONENTS FOR EACH HOOD IN SINGLE BAG

**STANDARD PART NUMBER - MUSBR-AHD3-241SK FOR STOCK IN DISTRIBUTION**  
CONSULT WITH AMPHENOL CANADA FOR OTHER OPTIONS OR SPECIAL REQUESTS.

UNLESS SPECIFIED OTHERWISE	DRAWN	B.COPPING	MAY4/17
PRIMARY UNITS MILLIMETERS	CHECKED	K.LAMBIE	MAY4/17
SECONDARY INCHES	M.E. APPD		
REFERENCE IN PARENTHESES	Q.A. APPD		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE	ENG. REL. NO.	EAR 14549	
2 DECIMAL PLACES	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES	DO NOT SCALE DRAWING		

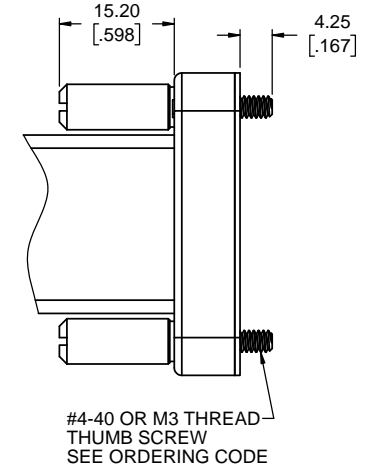
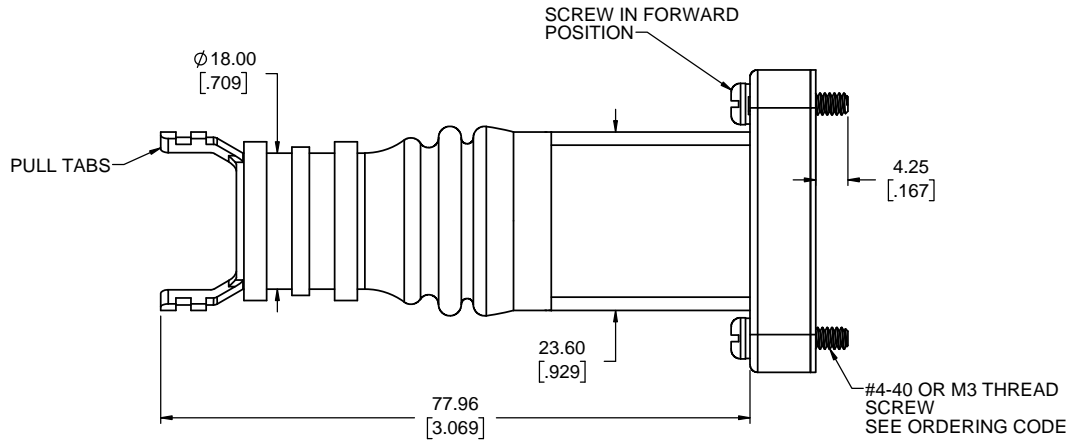
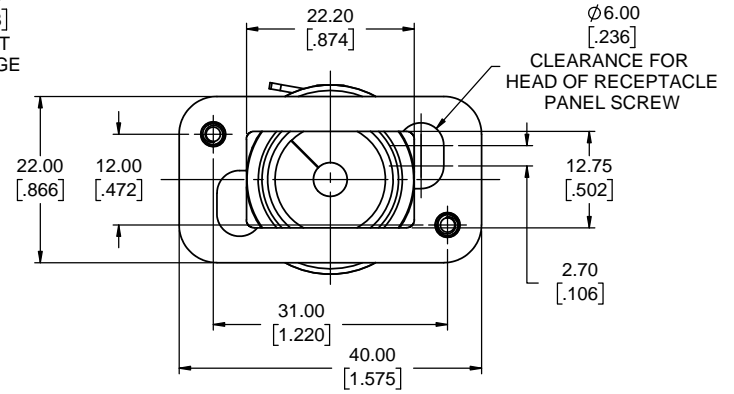
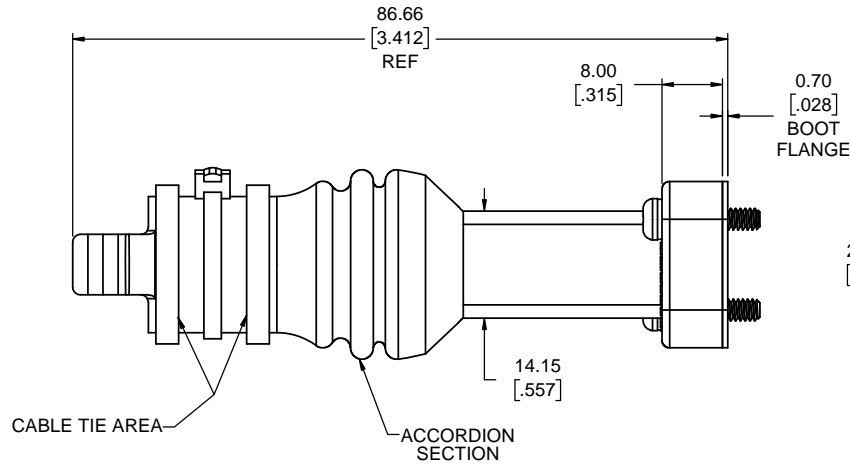
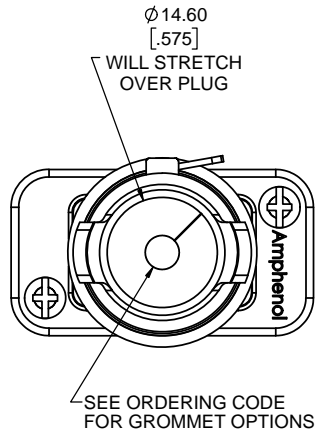
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APPD
B	PRODUCT DRAWING (EAR 14549)	MAY24/17	K.L.
C	PRODUCT DRAWING (EAR 14549)	MAY31/17	K.L.
D	PRODUCT DRAWING (EAR 14549)	JUL5/17	K.L.

**Amphenol Canada Corp.**  
www.amphenolcanada.com

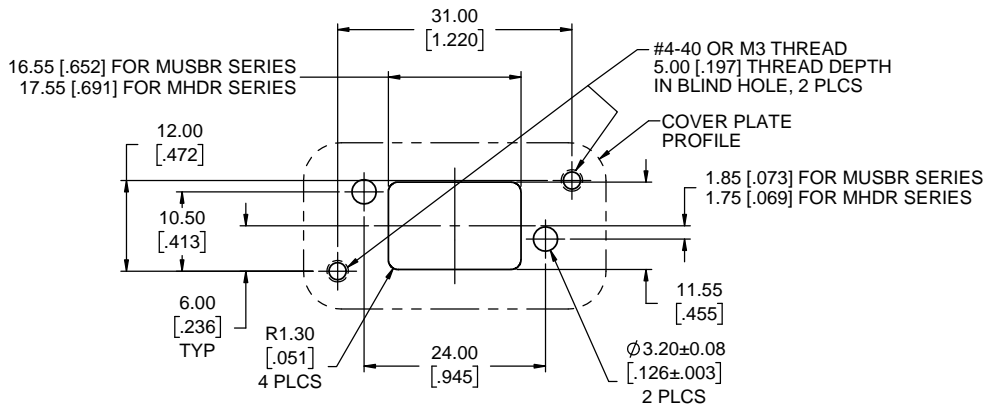
MUSBR HOOD FOR USB OR HDMI PLUG, BOOT STYLE DESIGN, FOR SEALING MATING INTERFACE, RoHS COMPLIANT

DWG. NO. **P-MUSBR-AHD3-XX1XX** REV **D**

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



**VIEW WITH THUMB SCREWS SHOWN**



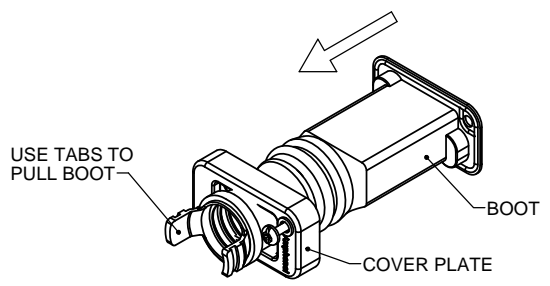
**Amphenol Canada Corp.**  
www.amphenolcanada.com

MUSBR HOOD FOR USB OR HDMI PLUG,  
BOOT STYLE DESIGN, FOR SEALING  
MATING INTERFACE, RoHS COMPLIANT

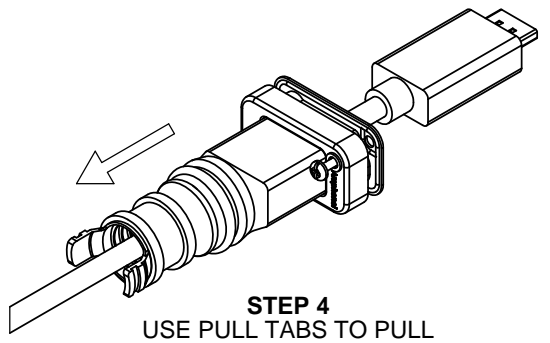
UNLESS SPECIFIED OTHERWISE	DRAWN	B.COPPING	MAY4/17
PRIMARY UNITS MILLIMETERS	CHECKED	K.LAMBIE	MAY4/17
SECONDARY INCHES	M.E. APPD		
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2 DECIMAL PLACES	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES	DO NOT SCALE DRAWING		

DWG. NO.	P-MUSBR-AHD3-XX1XX	REV	D
CODE ID NO.	03554	DWG SIZE:	X
SCALE:	2:1	SHEET	2 OF 3

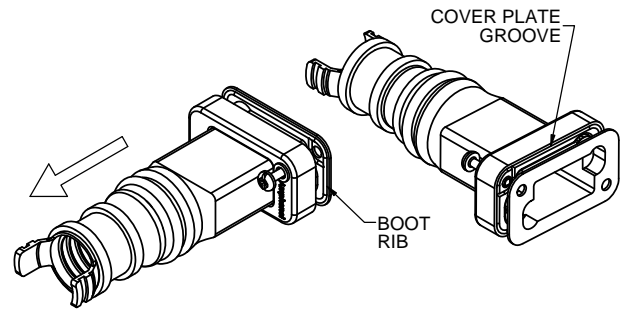
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APPD
B	PRODUCT DRAWING (EAR 14549)	MAY24/17	K.L.
C	PRODUCT DRAWING (EAR 14549)	MAY31/17	K.L.
D	PRODUCT DRAWING (EAR 14549)	JUL5/17	K.L.



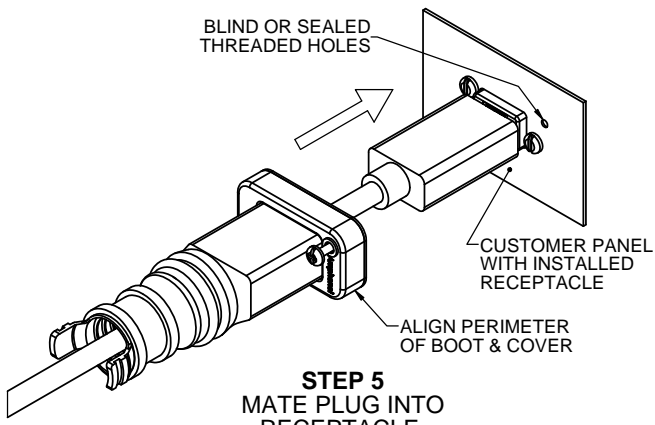
**STEP 1**  
PULL BOOT THROUGH COVER PLATE.



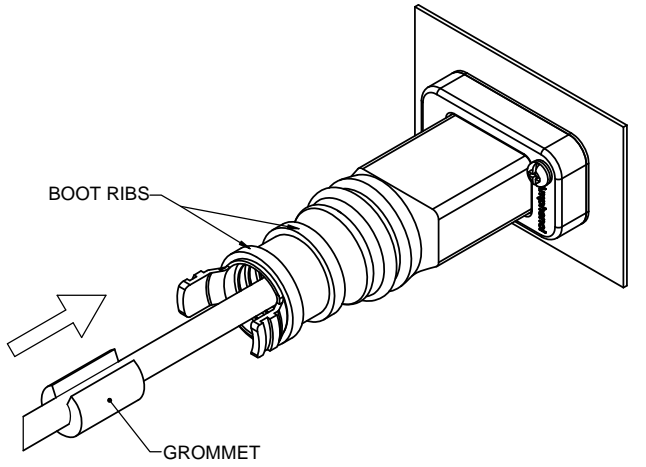
**STEP 4**  
USE PULL TABS TO PULL BOOT OVER PLUG.



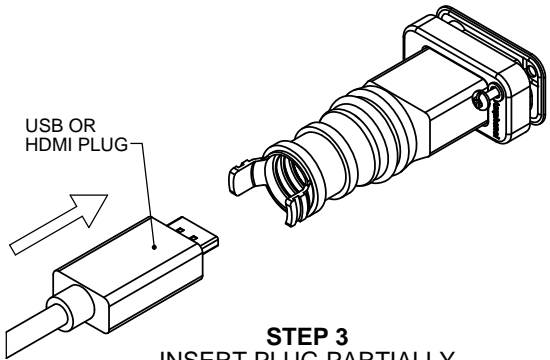
**STEP 2**  
CONTINUE TO PULL BOOT UNTIL BOOT FLANGE ALMOST TOUCHES COVER PLATE.



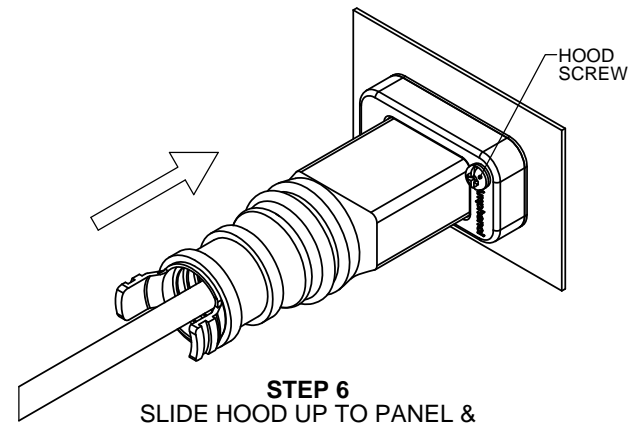
**STEP 5**  
MATE PLUG INTO RECEPTACLE.



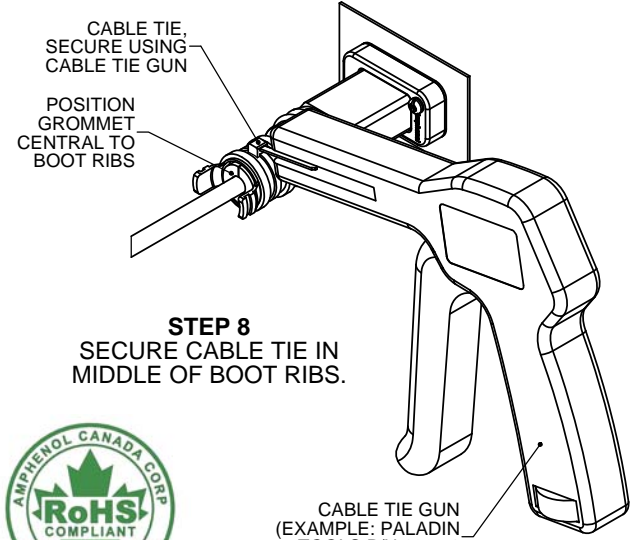
**STEP 7**  
OPEN GROMMET ALONG SPLIT LINE, PLACE OVER PLUG CABLE & SLIDE INTO POSITION BETWEEN BOOT RIBS



**STEP 3**  
INSERT PLUG PARTIALLY INTO THE BOOT.



**STEP 6**  
SLIDE HOOD UP TO PANEL & SECURE HOOD SCREWS



**STEP 8**  
SECURE CABLE TIE IN MIDDLE OF BOOT RIBS.



# FIELD ASSEMBLY PROCEDURE

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UNLESS SPECIFIED OTHERWISE	DRAWN	B.COPPING	MAY4/17
PRIMARY UNITS MILLIMETERS	CHECKED	K.LAMBIE	MAY4/17
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MUSBR HOOD FOR USB OR HDMI PLUG, BOOT STYLE DESIGN, FOR SEALING MATING INTERFACE, RoHS COMPLIANT

DWG. NO. **P-MUSBR-AHD3-XX1XX** REV **D**

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