MUSBR-XHD IP67 Sealing Boots
Product Specification S6139C Rev 1.0

Amphenol

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About Amphenol Commercial Products

Amphenol's commercial connector products are used in a variety of end user applications including networking, telecom, server & computer, storage & HDD, consumer electronics and entertainment, professional audio & Industrial & Military/Aerospace.
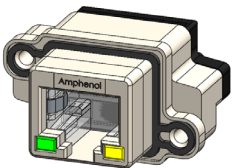
Related Products

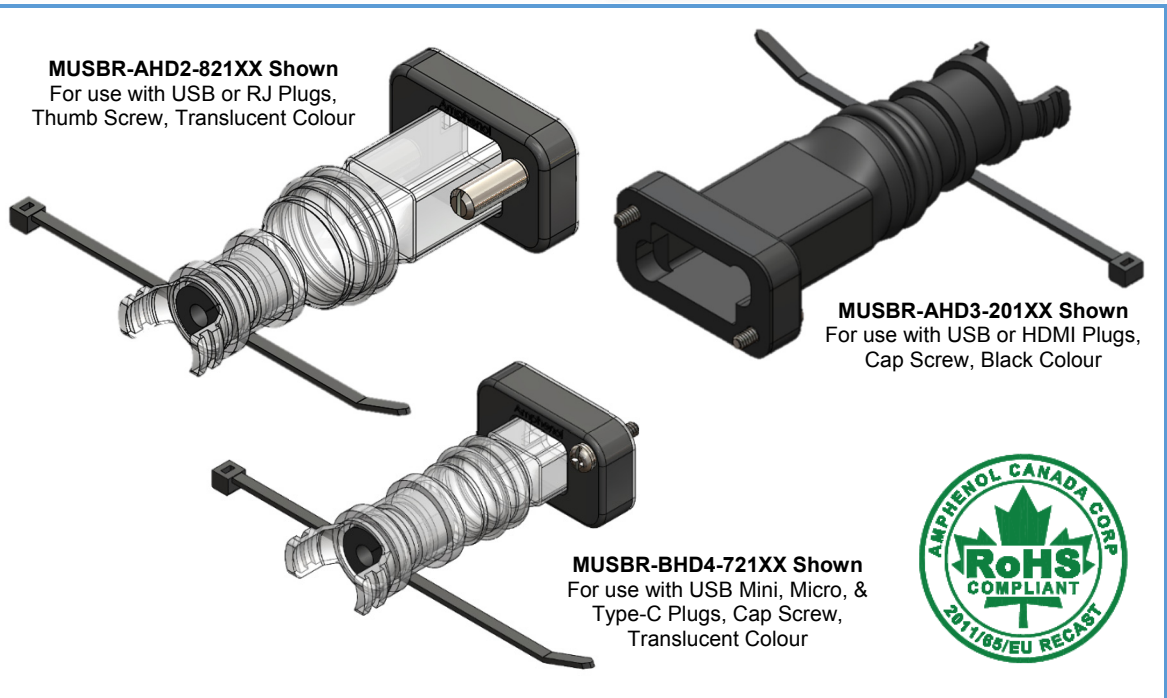

MDBR-AHD1-XX1XX
IP67-Rated Hood for A-Size D-Sub Connectors
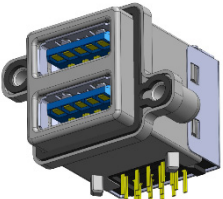
MUSBR-3193-XX
Rugged USB Type A 3.0, Stacked, Right Angle

MHDR-A511-30
Rugged HDMI, Type-A, Vertical

MRJR-3461-0F
Rugged RJ45, 6-Position, Right Angle

MUSBR-AHD2-821XX Shown
For use with USB or RJ Plugs, Thumb Screw, Translucent Colour

MUSBR-AHD3-201XX Shown
For use with USB or HDMI Plugs, Cap Screw, Black Colour

MUSBR-BHD4-721XX Shown
For use with USB Mini, Micro, & Type-C Plugs, Cap Screw, Translucent Colour

Overview

This product specification defines the general use and performance parameters for Amphenol's MUSBR-XHD Series of IP67 Sealing Boots.

Availability:

- AHD2 Boots are for use with standard USB & RJ plugs, and mating Amphenol Rugged MRJ, MRJR, MUSB-A, & MUSBR-A (Standard Profile) Series receptacles (see ordering code)
- AHD3 Boots are for use with standard USB & HDMI plugs, and mating Amphenol Rugged MHDR, MUSBR-A (Low Profile), & MUSBR-3 Series receptacles (see ordering code)
- BHD4[1] Boots are for use with standard USB Mini, Micro, & Type-C plugs, and mating Amphenol Rugged MUSB-B, MUSBR-B, MUSB-E, MUSBR-E, MUSB-K, & MUSBR-M Series receptacles (see ordering code)
- Boots are available in black or translucent colours. Thumb screws or cap screws are available in both #4-40 UNC and M3 x 0.5 threads. Grommets are available with either a 4.50mm [.177"] or 6.40mm [.252"] inside diameter. Products can be purchased either bulk-packed or in single kits.

Usage

This boot sealing system is designed to encompass standard USB, RJ, and HDMI plugs and protect against harsh environments. Ingress protection is provided for IP67 applications per IEC 60529 specification. Both standard and field-terminated cable assemblies are easily accommodated.

Applications

Intended for use in applications such as:

- Industrial Equipment
- Agricultural / Construction Equipment
- Marine Equipment
- Medical Equipment
- Robotics / Automation
- Telecom (P to P wireless stations)
- Outdoor Lighting
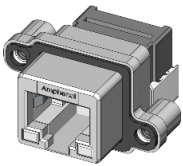- Traffic control & monitoring systems

[1]BHD4 Hood under development, contact an Amphenol representative for more information.
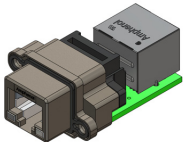
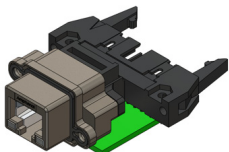*Now you're connected!*

Related Products

MRJ-5480-01
Rugged RJ45,
8 Position, Vertical

MUSBR-A511-40
Rugged USB Type-A
Low-Profile, Vertical

MRJR-8780-01
Rugged CAT5e RJ45, 8 Position, Right Angle on PCB with Standard RJ

MRJ/MRJR Series Options
Series available on PCB with matching RJ45, cable header, or terminal block.

Boot Characteristics

- Ingress Protection Level: IP67 per IEC60529
- Operating Temperature: -55°C to +105°C

Material Characteristics

MUSBR boots are RoHS compliant per EU directive 2011/65/EU and amendments.

- Boot: Flexible rubber, black & translucent options
- Cover Plate: Engineering thermoplastic, glass reinforced, black
- Hardware: Stainless steel
- Cable Tie: Nylon, black
- Grommet: Silicone rubber, black

Recommended Panel Cutout

AHD2
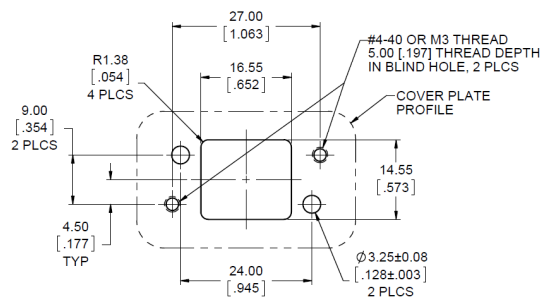
AHD3
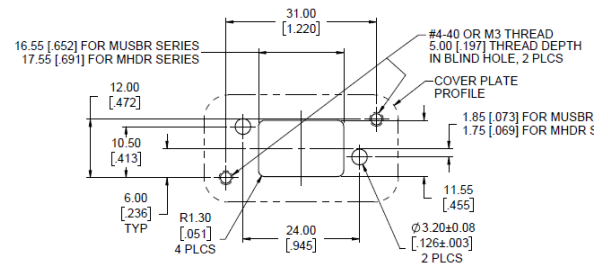
BHD4
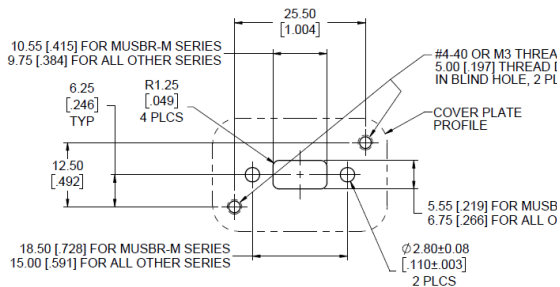
Available Documents

Drawing Numbers:
P-MUSBR-AHD2-XX1XX   MUSBR Boot for USB or RJ Plugs, Colour, Screw and Grommet Options
P-MUSBR-AHD3-XX1XX   MUSBR Boot for USB or HDMI Plugs, Colour, Screw and Grommet Options
P-MUSBR-BHD4-XX1XX   MUSBR Boot for USB Mini, Micro, & Type-C, Colour, Screw and Grommet Options

Report Numbers:
TR9240758   MUSBR-AHD2-XX1XX Qualification Test Report
TR9240780   MUSBR-AHD3-XX1XX Qualification Test Report

Contact factory, authorized Amphenol representative, or website www.amphenolcanada.com for more information.

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Product Numbering System

MUSBR	-	XHDX	-	X	X1	XX

Series

MUSBR	Rugged USB Series, Generation 2

Hood, Boot Style

AHD2	For use with MRJ, MRJR, & MUSB-A (Type A 2.0) & MUSBR-A (Type A 2.0 Standard Profile)
AHD3	For use with MHDR (Type A), MUSBR-A (Type A 2.0 Low Profile), & MUSBR-3 (Type A 3.0)
BHD4[1]	For use with MUSB-B & MUSBR-B (Type MINI-B 2.0), MUSB-E & MUSBR-E (Type MINI-AB 2.0), MUSB-K (Type MICRO-AB) AND MUSBR-M (Type C)

Screw, Thread, & Boot Options

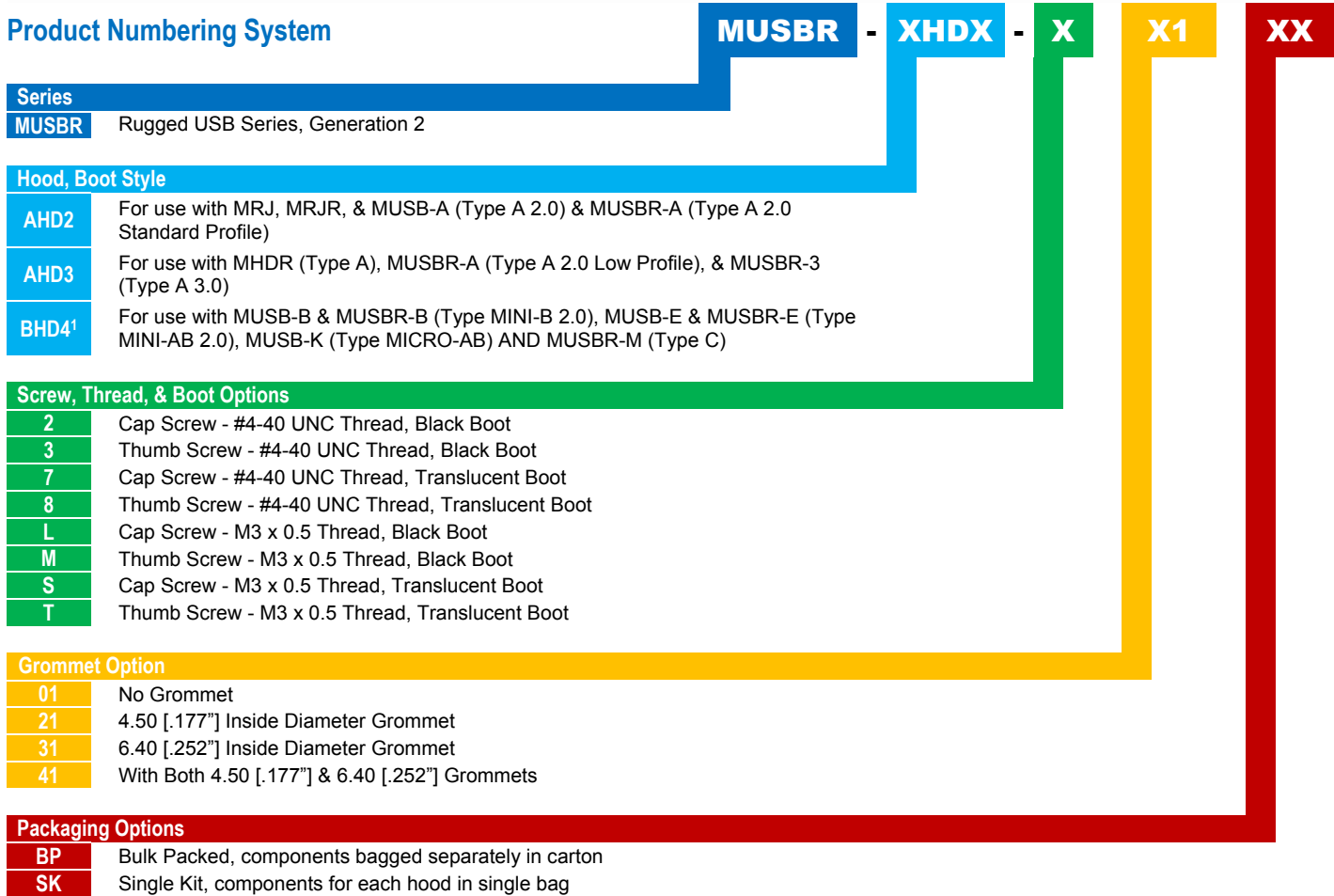| 2	Cap Screw - #4-40 UNC Thread, Black Boot
3	Thumb Screw - #4-40 UNC Thread, Black Boot
7	Cap Screw - #4-40 UNC Thread, Translucent Boot
8	Thumb Screw - #4-40 UNC Thread, Translucent Boot
L	Cap Screw - M3 x 0.5 Thread, Black Boot
M	Thumb Screw - M3 x 0.5 Thread, Black Boot
S	Cap Screw - M3 x 0.5 Thread, 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

Notes:

1) BHD4 Hood under development, contact an Amphenol representative for more information.

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[MUSBRA111M0](#) [MUSBRA111R0](#) [MUSBRA11145](#) [MUSBRA51140](#) [MUSBRA111M5](#) [MUSBRA11141](#)
[MUSBRA311M5](#) [MUSBRA11135](#) [MUSBRA111M1](#) [MUSBRA111R5](#) [MUSBR-AE11-35](#)