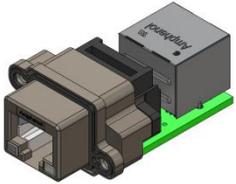


Now you're connected!

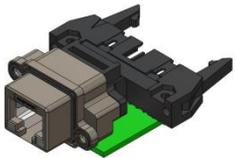
About Amphenol Commercial Products

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.

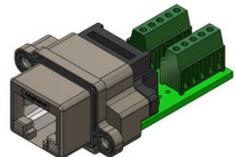
MRJ/MRJR PCB Options



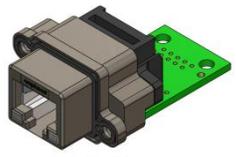
MRJR-8780-01
CAT5e RJ45 on PCB
with Matching RJ45



MRJR-5580-01
Standard RJ45 on PCB
with Matching Cable Header



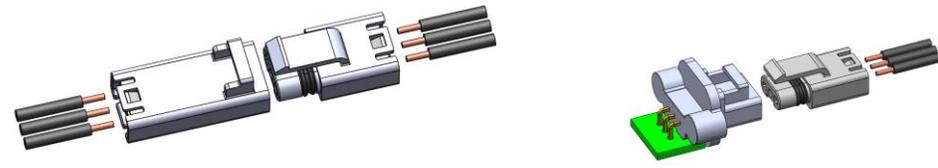
MRJR-5980-01
Standard RJ45 on PCB with
Matching Terminal Block



MRJR-5C80-01
Standard RJ45 on PCB
For Discrete Wiring



2 Pin Connector



3 Pin Connector



4-Pin Connector



6 Pin Connector

Other configurations are available on request

Overview

This product specification defines the general use and performance parameters for Amphenol's, FLH series of Mini Sealed 2.5 mm pitch poke-in connectors.

Availability:

- Wire to Wire 2 pin - IP67 sealing in mated condition
- Wire to Wire 3 pin - IP67 sealing in mated condition
- Wire to Wire 4 pin - IP67 sealing in mated condition
- Wire to Wire 6 pin - IP67 sealing in mated condition
- Wire to wire 1 and 5 pin available upon request

Usage

The connector system is designed to provide a wire to wire, and panel mount IP67 sealing mated and unmated, ideal for harsh environments. Compact design for space saving applications.

Applications

Intended for use in applications such as:

- Lighting
- Appliances
- HVAC
- Harsh environment application

Now you're connected!

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Related Products

MUSBR-XHD Series

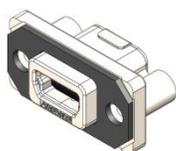


MUSBR-AHD2-821XX
Thumb Screw, Translucent Colour

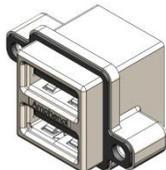


MUSBR-AHD2-221XX
Cap Screw, Black Colour

MUSB Series



MUSB-B151-34
Mini-B USB,
Right Angle PCB Tail



MUSB-C111-30
Stacked Type-A USB,
Right Angle PCB Tail

Connector Electrical Characteristics

Voltage	250 VAC max.
Current Rating:	7A - 18 AWG (solid or tin dipped stranded) 5A - 20 AWG (solid or tin dipped stranded) 3A - 22 AWG (solid or tin dipped stranded)
Contact Resistance:	Δ 20 m Ω max
Insulation Resistance:	500 M Ω min
Dielectric Withstanding Voltage:	1500 VAC @ sea level

Connector Mechanical Characteristics

Thermal Shock:	25 cycles @ -40° to +70° C
Physical Shock:	Per EIA364-27, Condition H (11ms 30G)
Humidity:	Per EIC512-6 / EIA364-11A
Vibration:	Per EIA364-28, Condition 5A
Salt Spray:	Per EIA364-26, 240 Hrs
Mating Cycles:	100
Operating Temperature:	-40°C to +105°C

Assembly Process Characteristics

Solid or tin dipped stranded to be inserted into the respective sealed housing assemblies

Material Characteristics

FLH mini sealed connectors are RoHS compliant per EU directive 2011/65/EU and amendments. Unless otherwise specified, the materials for each component shall be:

- Contacts: Phosphor Bronze with 2.54 μ m (100 μ ”) min tin over 1.27 μ m (50 μ ”) min Nickel
0.38 μ m (15 μ ”) and 0.76 μ m (30 μ ”) gold available
- Housing: High temperature thermoplastic, UL94V-0 rated, black
- Seals: Silicon rubber

Available Documents

Drawing Numbers:

P-FLH-PX3-00	- Pin housing assembly, waterproofed when mated
P-FLH-PX2-00	- Pin panel mount housing, waterproofed when mated
P-FLH-SX3-00	- Socket housing assembly, waterproofed when mated

Packaging:

P-FLH-P23/P33-00	- 500/bag
P-FLH-P43/P63-00	- 300/bag
P-FLH-S23/S33-00	- 500/bag
P-FLH-S43/S63-00	- 300/bag
P-FLH-PX2-00	- 140/reel, 5 reels/carton

Other part numbers packaging quantities are available on request

Application Specification Number: S6208C

Contact Factory, authorized Amphenol representative or website www.amphenolcanada.com for additional configurations.

Now you're connected!

Product Numbering System- Sealed housings

FLH

- P2

3

- 00

Series

FLH FLH Mini Sealed 2.5 mm Pitch Connector Series Housings

Housing Type

PX P= Pin, X= Number of Contacts
SX S= Socket, X= Number of Sockets

1 Vertical
2 Panel Mount Right Angle
3 With Poke-In Contacts Installed

00 Black Housing (Standard)
W0 White Housing
90 Unsealed Connectors
01 With Fir Tree Lock
02 Board Mount
03 Low Profile

Blank Standard
0-9 Other Options
K Kit