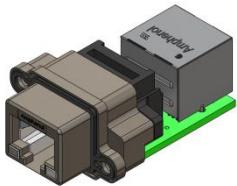


Now you're connected!

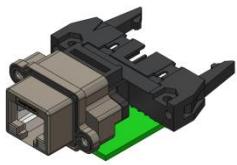
About Amphenol Commercial Products

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.

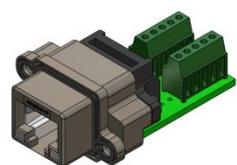
MRJ/MRJR PCB Options



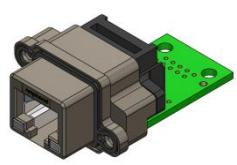
MRJR-8780-01
CAT5e RJ45 on PCB
with Matching RJ45



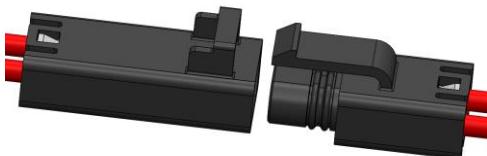
MRJR-5580-01
Standard RJ45 on PCB
with Matching Cable Header



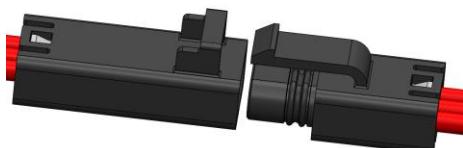
MRJR-5980-01
Standard RJ45 on PCB
with Matching Terminal Block



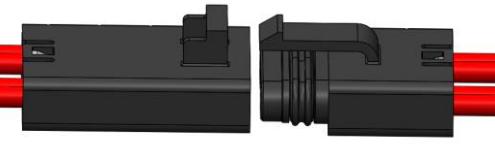
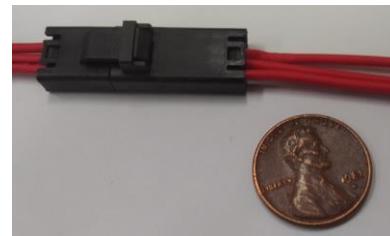
MRJR-5C80-01
Standard RJ45 on PCB
For Discrete Wiring



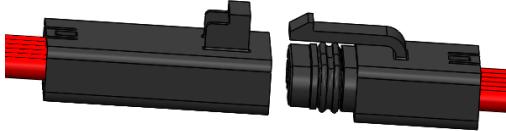
2 Pin Connector



3 Pin Connector



4-Pin Connector



6 Pin Connector

Overview

This product specification defines the general use and performance parameters for Amphenol's, FLH series of Mini Sealed 2.5 mm pitch 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 (Coming soon)
- Wire to Wire 6 pin - IP67 sealing in mated condition (Coming soon)

Usage

The connector system is designed to provide a wire to wire 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!

About Amphenol Commercial Products

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Related Products

MUSBR-XHD Series

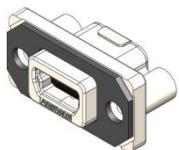


MUSBR-AHD2-821XX
Thumb Screw, Translucent Colour

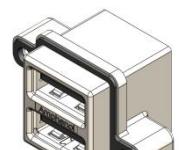


MUSBR-AHD2-221XX
Cap Screw, Black Colour

MUSB Series



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



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

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Connector Electrical Characteristics

Voltage	250 VAC max.
Current Rating:	7A - 18 AWG
	5A - 20 AWG
	3A - 22 AWG
Contact Resistance:	$\Delta 20 \text{ m}\Omega$ 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

Crimped contacts 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 μm (100 μm) min tin over 1.27 μm (50 μm) min Nickel 0.38 μm (15 μm) and 0.76 μm (30 μm) gold available
- Housing: High temperature thermoplastic, UL94V-0 rated, black
- Seals: Silicon rubber

Now you're connected!

About Amphenol Commercial Products

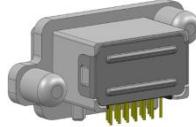
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Related Products

MHDR Series



MHDR-A511-30
Type-A HDMI,
Vertical PCB Tail



MHDR-A111-30
Type-A HDMI,
Right Angle PCB Tail

MUSBR Series



MUSBR-A511-40
Type-A USB, Vertical
PCB Tail, Low-Profile

MDBR Series



MDBR-E09SM-AN0
9-Size Socket D-Sub,
Solder Cup

Available Documents

Drawing Numbers:

- P-FLH-PX1-00** - Pin housing assembly, waterproofed when mated
- P-FLH-SX1-00** - Socket housing assembly, waterproofed when mated
- P-FLH-PC136-XXX** - Pin contact
- P-FLH-SC136-XXX** - Socket contact

Packaging:

- P-FLH-P21-00** - 154 connectors/tray (7 trays per box)
- P-FLH-P31-00** - 154 connectors/tray (7 trays per box)
- P-FLH-S21-00** - 168 connectors/tray (7 trays per box)
- P-FLH-S31-00** - 168 connectors/tray (7 trays per box)
- P-FLH-PC136-XXX** - 5000 per reel
- P-FLH-SC136-XXX** - 6000 per reel

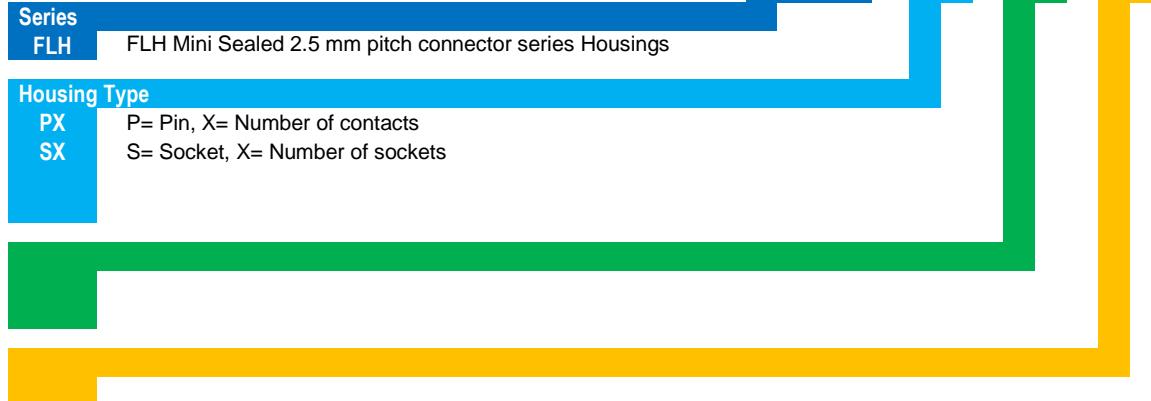
Lower quantities are available on request

Report Numbers:

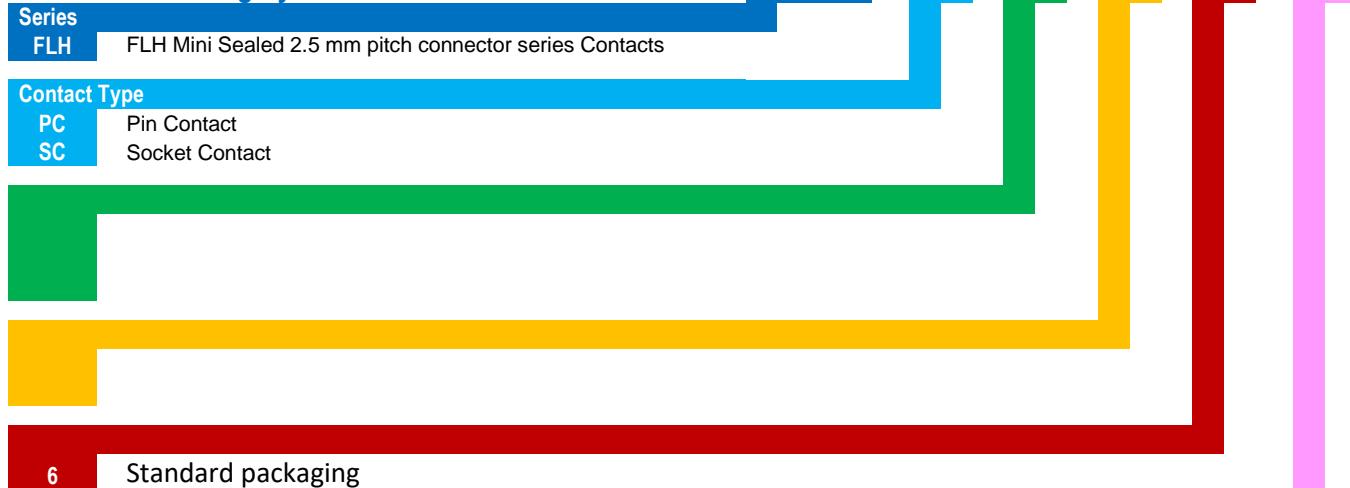
Contact Factory, authorized Amphenol representative or website www.amphenolcanada.com for additional configurations.

Now you're connected!

Product Numbering System- Sealed housings



Product Numbering System - Contacts



Contact plating

T01	100 μ " matt tin
G15	15 μ " gold
G30	30 μ " gold