

FLH Series Mini Sealed 2.5 mm Pitch Poke-in Connectors

Product Specification S6205C Rev 1.3

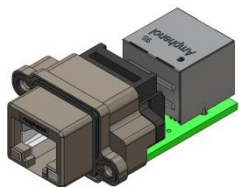
Amphenol

Now you're connected!

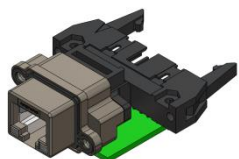
About Amphenol Commercial Products

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.

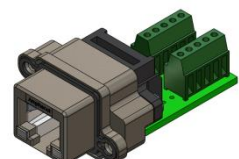
MRJ/MRJR PCB Options



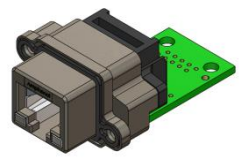
MRJR-8780-01
CAT5e RJ45 on PCB
with Matching RJ45



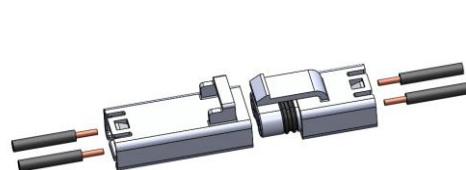
MRJR-5580-01
Standard RJ45 on PCB
with Matching Cable Header



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

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Related Products

MUSBR-XHD Series

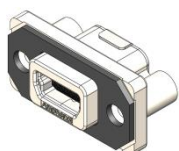


MUSBR-AHD2-821XX
Thumb Screw, Translucent Colour

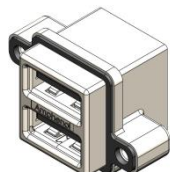


MUSBR-AHD2-221XX
Cap Screw, Black Colour

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: | $\Delta 20$ 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.

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Product Numbering System- Sealed housings

