

# Onanon Connector Series Redi-Mate<sup>™</sup> 1P Series

Onanon's *Redi-Mate™ 1P Series* is a highly configurable plastic push-pull connector. The push-pull latching system is simple and quick, yet safe and reliable for frequent connection/disconnection through harsh environments. The ergonomic design has been field tested and is approved for Medical applications. Additional suitable markets include but are not limited to the automotive, aerospace and industrial industries. *Redi-Mate™ has a large selection of insert configurations (high-density low voltage, high voltage, coaxial, fluidic, and hybrid). Redi-Mate is backwards compatible to similar push-push pull connectors.* 

- 2-14 pin capacity
- Security of Push-Pull, self-latching system
- Customizable for reusable or single use applications
- Customizable color, conical nuts and keying to prevent mismatching
- Easily add components such as EEPROMs, resistors and capacitors



# **Specifications**

#### Mechanical

Mating Type: Push Pull Mating Cycles: 1,000 Min. Mating Forces:

Insertion: 2.2 lbf Removal: Locking

#### **Electrical**

Operating Voltage: 0.6~1.25kV DC
Operating Current:

2~10A

### **Environmental**

Sterilizable: Gamma, EtO Chemical Resistance: Common

cleaning solvents

Finger Safety: IEC 60601-1 Storage & Operating Temp:

-50~125°C

Flammability: UL94V-0

IP Rating: IP50

# **Compatibility**

**Contacts:** 2-14 pins **Plug Cable Assembly** 

Accepted Wire Gauges: 26-50 AWG Cable Jacket OD: 0.236" Max

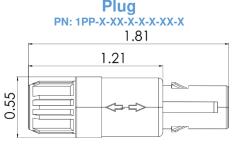
Contact Termination: Solder



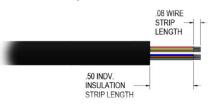
# **Onanon Connector Series** Redi-Mate<sup>™</sup> 1P Series



# **Dimensions**

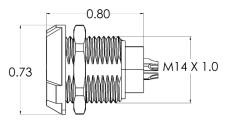


# **Recommended Cable Specifications**

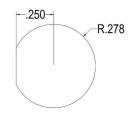


Units are in inches. Contact Sales for unspecified dimensions.

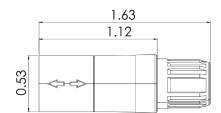
### Panel Mount Receptacle PN: 1PM-X-XX-X-X



# **Recommended Panel** Cutout



## In-Line Receptacle PN: 1PI-X-XX-X-X-X-X



# **Materials & Assembly**

### **Plug Assembly**

Housings: Polycarbonate **Insulator Body**: PPS Natural Male Pins: Gold Plated Brass Alloy

body after terminating wires.

### **Panel Mount Receptacle**

Housings: Polycarbonate **Insulator Body:** PPS Natural Female Pins: Gold Plated Brass Alloy

Required Assembly: Assemble connector Required Assembly: Solder wires, PCB or

flex assembly.

### **In-Line Receptacle**

Housings: Polycarbonate Insulator Body: PPS Natural

Female Pins: Gold Plated Brass Alloy

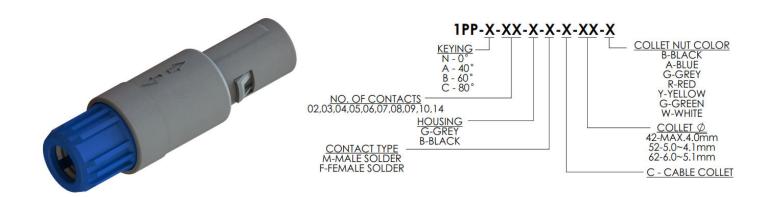
Required Assembly: Assemble connector

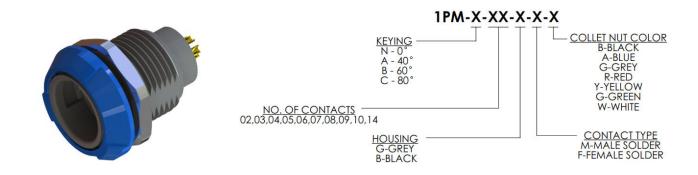
body after terminating wires.

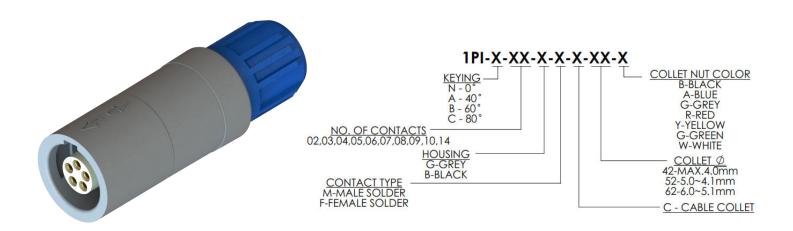


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# **Configurations & Ordering**







#### **Custom Options Available:**

Reach out to our sales team about laser-engraved logos, personalized color options, high volume orders, and end-to-end custom cable assemblies, including our integrated SmartConnect ™ capabilities.

Contact Us: sales@onanon.com | (408) 262-8990 | www.onanon.com