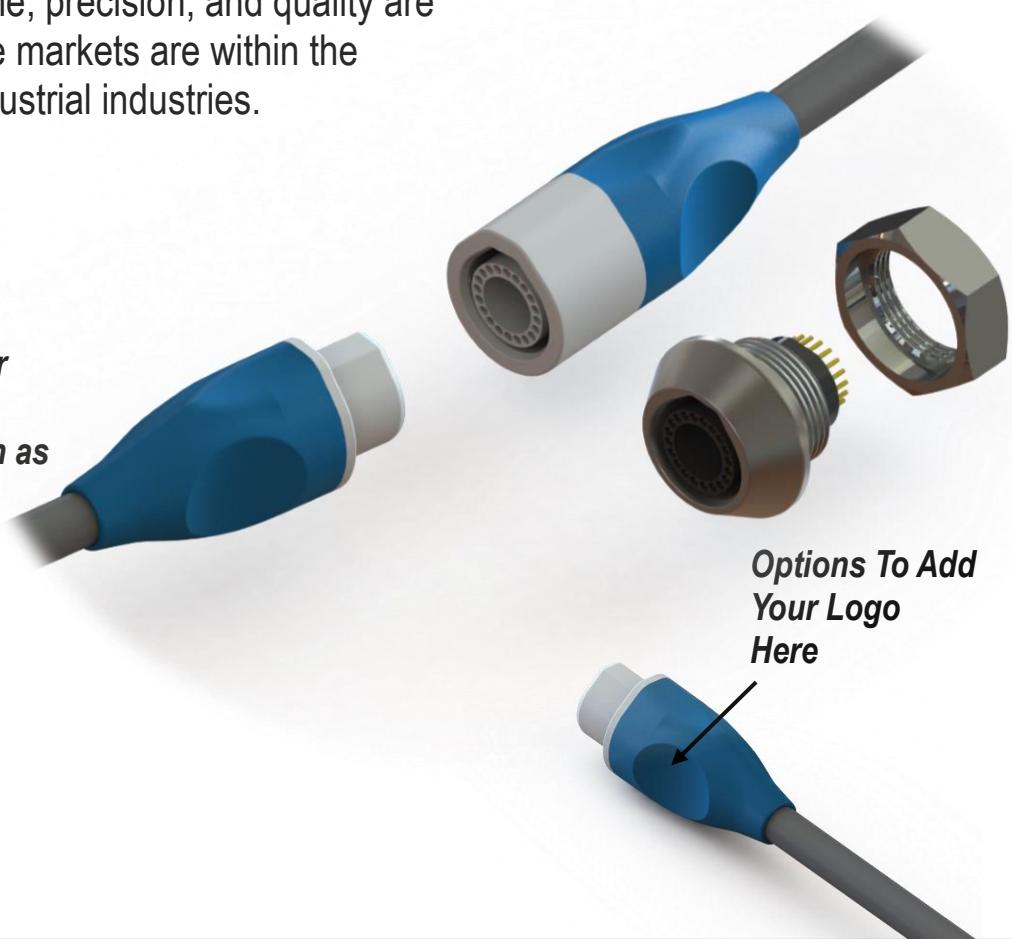


# Onanon Connector Series

## MagConnect™ | Hero

Onanon's MagConnect™ | Hero is performance engineered to be the most intuitive interconnect in the world. Its unique magnetic safety latch feature is ideal for medical applications, where time, precision, and quality are most critical. Additional suitable markets are within the automotive, aerospace and industrial industries.

- **2 to 20 pin capacity**
- **Intuitive and Self-Mating**
- **Magnetic Safety de-latching**
- **Customizable for reusable or single use applications**
- **Easily add components such as eeproms, resistors and capacitors**



## Specifications

### Mechanical

**Mating Type:** Magnetic

**Mating Cycles:**

**Plug:** 5000 Min.

**Panel Receptacle:** 10k Min.

**In-Line Receptacle:** 5k Min.

**Mating Forces:**

**Insertion:** Magnetic

**Removal (PR):** 4.5 lbf

**Removal (IR):** 3.5 lbf

### Electrical

**Operating Voltage:**

1kVAC and 1.5kVDC

**Operating Current:** 3A

### Environmental

**Sterilizable:** Gamma, EtO

**Chemical Resistance:** Common  
cleaning solvents

**Finger Safety:** IEC 60601-1

**Storage & Operating Temp:**  
0-150°C

### Compatibility

**Contacts:** 20 pins

**Plug Cable Assembly**

**Accepted Wire Gauges:** 26-50 AWG

**Cable Jacket OD:** 0.286" Max

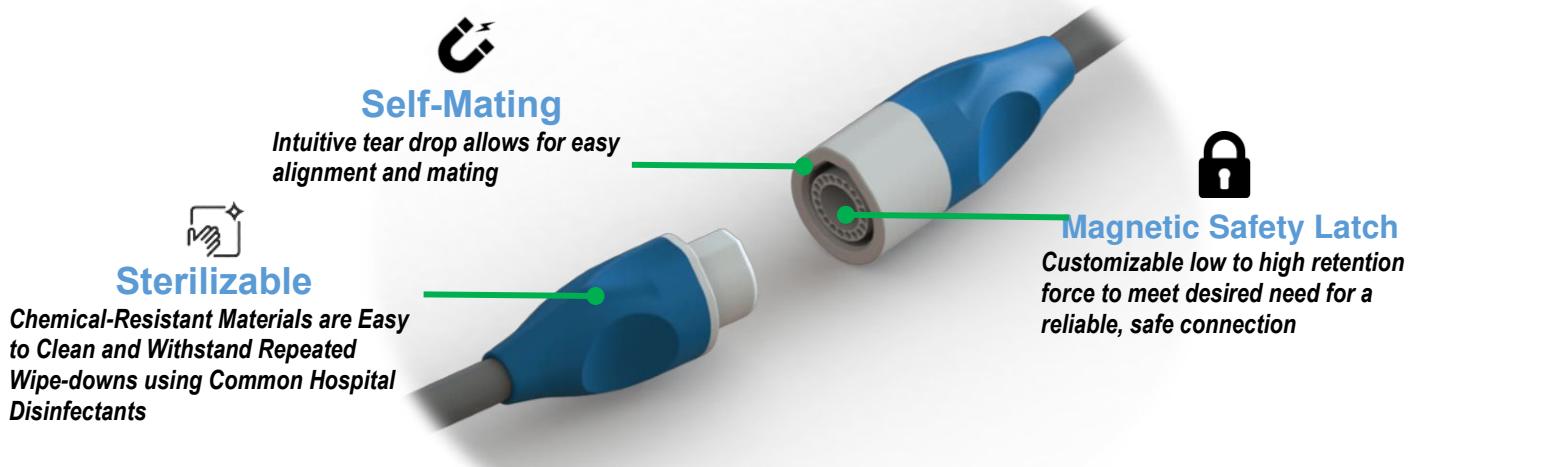
**Contact Termination:** Solder

**In-Line Receptacle Cable Assembly**

**Accepted Wire Gauges:** 26-50 AWG

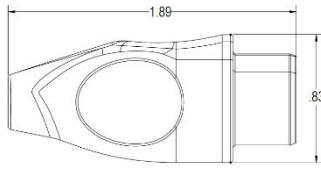
**Cable Jacket OD:** 0.286" Max

**Contact Termination:** Solder

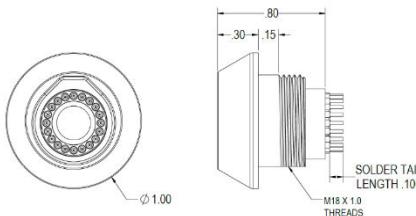


## Dimensions

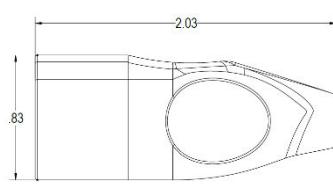
### Plug



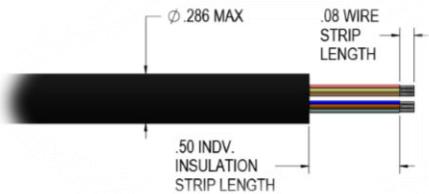
### Panel Mount Receptacle



### Inline Receptacle



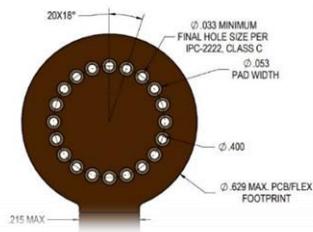
### Recommended Cable Specifications



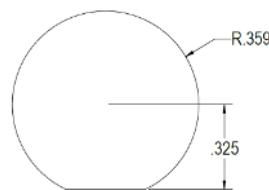
Units are in inches

Contact us for unspecified dimensions

### Recommended PCB or Flex Dimensions



### Recommended Panel Cutout



## Materials & Assembly

### Male Plug Cable Assembly

**Plug Housing:** Thermoplastic Polyester  
**Retaining Cap:** Thermoplastic Polyester  
**Pins:** Gold Plated Brass Alloy  
**Magnet:** Nickel Plated Neodymium  
**Slip-On Boot:** Thermoplastic Polyurethane

### Male Plug Cable Assembly

**Plug Housing:** Thermoplastic Polyester  
**Retaining Cap:** Thermoplastic Polyester  
**Pins:** Gold Plated Brass Alloy  
**Magnet:** Nickel Plated Neodymium  
**Slip-On Boot:** Thermoplastic Polyurethane

### Panel Mount Receptacle

**Insulator Insert:** Thermoplastic Polyester  
**Metal Shell:** Chromium Plated Brass Alloy  
**Pins:** Gold Plated Brass Alloy  
**Magnet:** Nickel Plated Neodymium

**Required Assembly:** Assemble connector body after terminating wires

**Required Assembly:** Assemble connector body after terminating wires

**Required Assembly:** Solder a PCB or flex assembly.