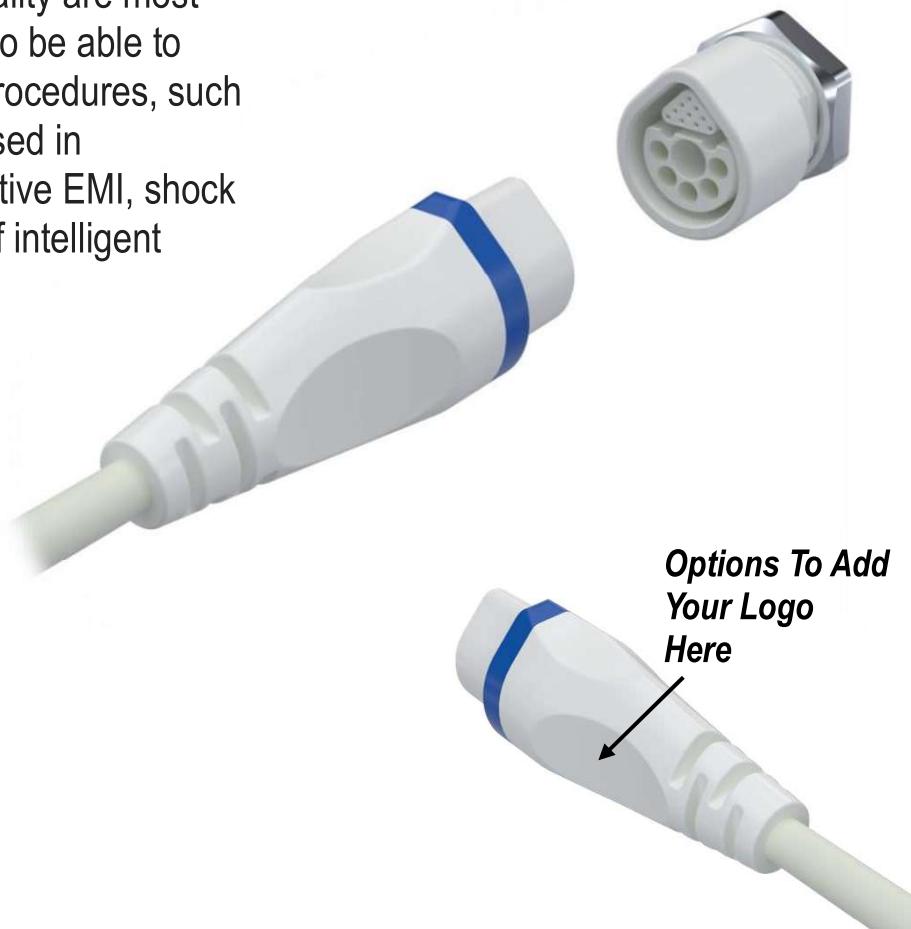


# Onanon Connector Series

## MagConnect® | HV

Onanon's MagConnect® | HV 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. MagConnect® | HV has been tested to be able to withstand electrically demanding medical procedures, such as IVL and PFA. MagConnect® has been used in applications with low & high voltages, sensitive EMI, shock & vibration environments, and integration of intelligent electronics.

- **2 to 15 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**
- **EMI/RFI Safe**
- **Low (<12v) & High (>7000v) Voltage Safe**
- **Rugged use in outdoor wearables**
- **VF/HF/RF Safe**



## Specifications

### Mechanical

**Mating Type:** Magnetic  
**Mating Cycles:** 10k Min  
**Mating Forces:**  
**Insertion:** Magnetic  
**Removal:** Up to 3.3 lbf

### Electrical

**Operating Voltage:** 7kVDC for HV Pins  
 200VDC for LV Pins  
**Operating Current:** 3A

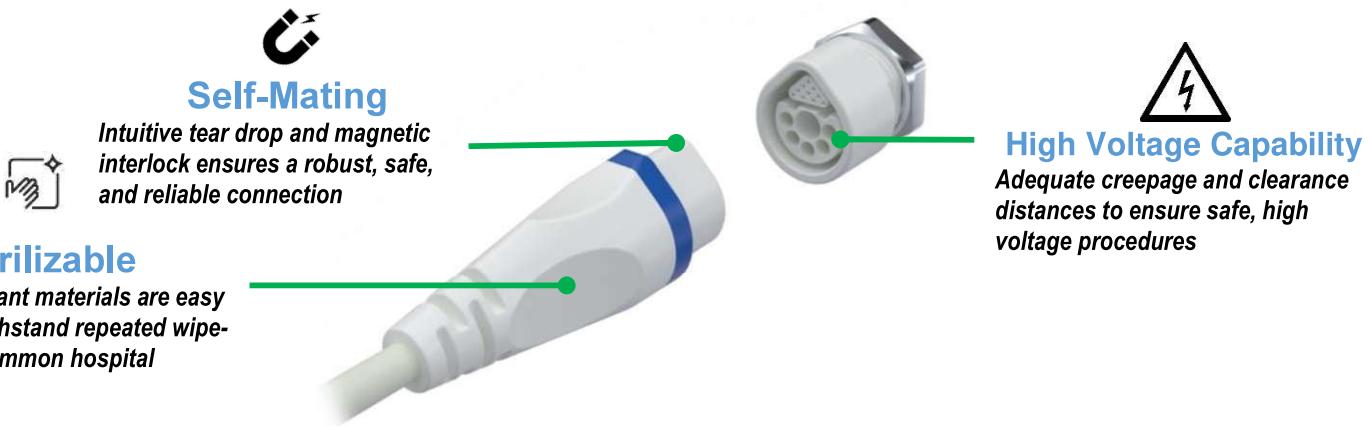
### Environmental

**Sterilizable:** Gamma, EtO  
**Chemical Resistance:** Common cleaning solvents  
**Finger Safety:** IEC 60601-1  
**Storage & Operating Temp:** 0-150°C

### Compatibility

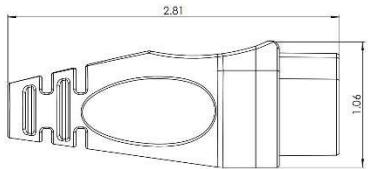
**Contacts:** 5 HV Pins; 10 LV Pins  
**Plug & Panel Mount**  
**Accepted Wire Gauges:**  
 26-50 AWG for HV Pins  
 26-50AWG for LV Pins  
**Plug Cable Jacket OD:** 0.260" Max  
**Contact Termination:** Solder

MagConnect® has been tested and in production for numerous applications, such as High-Voltage >5000VAC, Low Voltage <12v, HF/RF, RFA, EHF, EMI, RFI, RFID, Wi-Fi

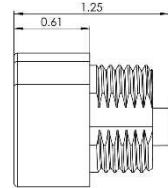


## Dimensions

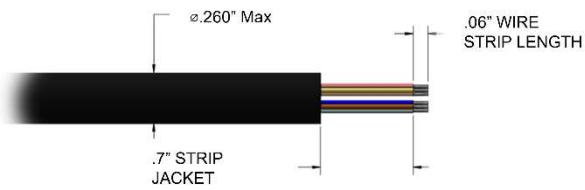
**Plug**



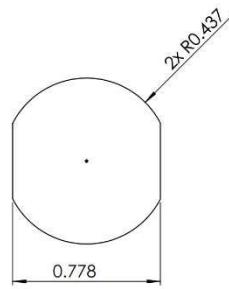
**Panel Mount Receptacle**



**Recommended Cable Specifications**



**Recommended Panel Cutout**



Units are in inches  
 Contact Sales for unspecified dimensions

## Materials & Assembly

### Plug 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

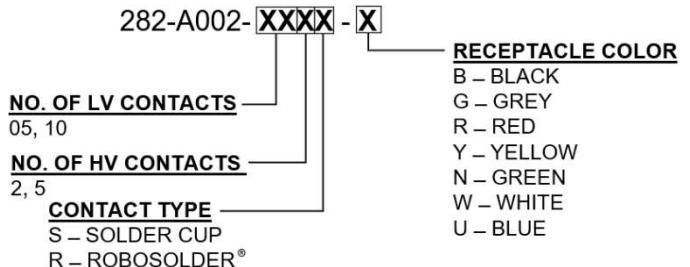
**Required Assembly:** Solder a PCB or flex assembly

# Onanon Connector Series

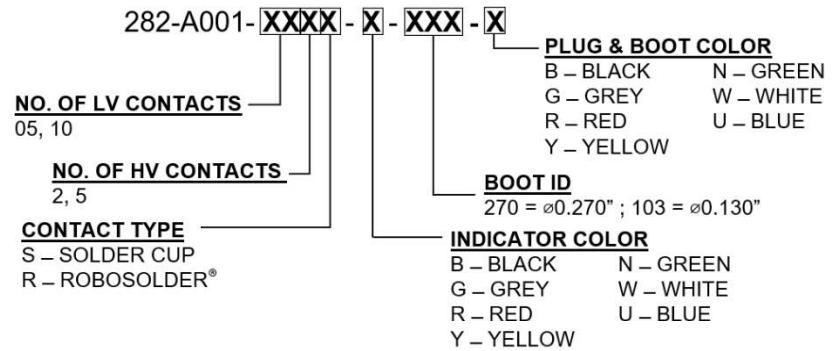
## MagConnect® | HV



**Plug**



**Panel Mount Receptacle**



**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.