

- 2.5mm Pitch, Rated Current: 3A max
- Fully Waterproof with Double Latch Solution
- Available in Wire-to-Wire and Wire-to-Board Options
- Seals Preassembled into Housing; No External Sealing Required available in 2, 3, or 5 Positions
- True Crimp and Poke Solution
- Waterproofing Cap available to cover holes of wire seal
- Internal Polarization to Prevent Mismatching
- Available with wire already installed
- Waterproof Grade IP67 Certified



Specifications:

| | |
|-----------------------|---------------------|
| No. of Positions | 2, 3, 5P |
| Pitch | 2.5mm |
| Rated Voltage | 250V |
| Rated Current | 3A max |
| Withstanding Voltage | 1000V AC (rms) |
| Contact Resistance | 15 mΩ max |
| Insulation Resistance | 1000 MΩ min./DC500V |
| Temperature Range | -40°C to +105°C |
| PCB Thickness | 1.6mm |

Materials:

| | | |
|----------------------|-----------------|--------------------------|
| Crimp & Poke | Housing | PBT, UL 94V-0 |
| | Contact | Phosphor Bronze |
| PCB Header | Housing | PBT with Glass, UL 94V-0 |
| | Contact | Brass |
| Contact Plating | Tin Plating | |
| Wire & Housing Seals | Silicone Rubber | |
| Waterproofing Cap | PBT, UL 94V-0 | |

Waterproofing Cap:

| |
|-------------|
| Part No. |
| 565-200-100 |



Crimp Contact:

| Male Contact (Pin) | | | |
|--------------------|-------|-----------|----------|
| Part No | AWG# | Ins. Dia. | Pcs/Reel |
| 565-290-731 | 20-22 | Max. Ø1.7 | 8,000 |
| 565-290-711 | 22-28 | Max. Ø1.6 | 8,000 |

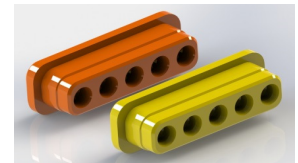
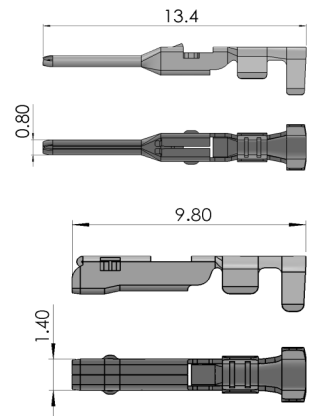
**Crimp Contacts are also available in strips of 60pcs. Contact EDAC for more information.

| Female Contact (Socket) | | | |
|-------------------------|-------|-----------|----------|
| Part No | AWG# | Ins. Dia. | Pcs/Reel |
| 565-290-741 | 20-22 | Max. Ø1.7 | 8,000 |
| 565-290-721 | 22-28 | Max. Ø1.6 | 10,000 |

**Wire seals, housing seals and retainers are already pre-assembled in the connector.

Rear Gasket (Wire Seal):

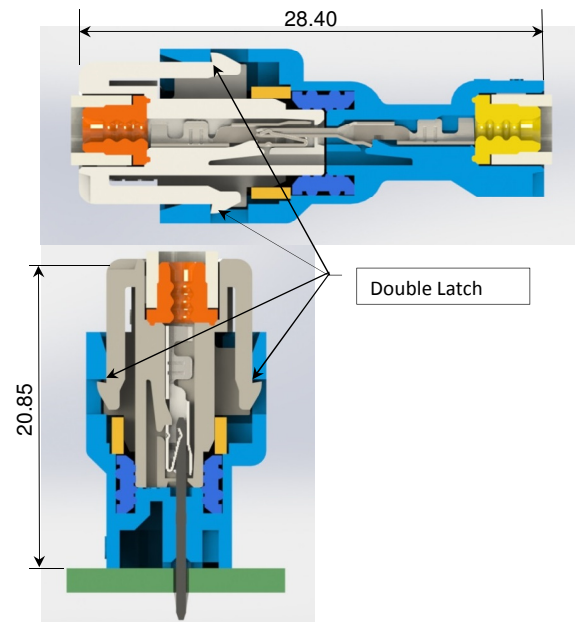
| Applicable Contact | Wire O.D. | Color |
|--------------------|----------------|--------|
| 565-290-711 | Ø1.00 to Ø1.30 | Yellow |
| 565-290-721 | Ø1.30 to Ø1.70 | Orange |



Ordering Code: 560-002-000-110

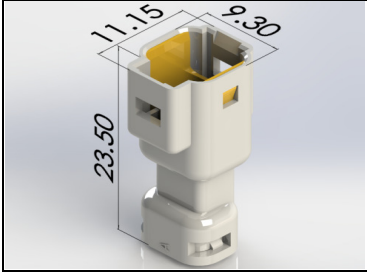
- SERIES: _____
560, WIRE TO WIRE
WIRE TO BOARD
- NO. OF CONTACTS: _____
002 - 2 CONTACTS
003 - 3 CONTACTS
005 - 5 CONTACTS
- CONTACT CODE: _____
000 - NO CONTACTS (ONLY FOR CRIMP CONTACTS)
420 - BOARD MOUNT CONTACTS
- STYLE: _____
101 - WHITE MALE HOUSING (ONLY FOR BOARD MOUNT CONTACTS)
301 - BLUE MALE HOUSING (ONLY FOR BOARD MOUNT CONTACTS)
501 - ORANGE MALE HOUSING (ONLY FOR BOARD MOUNT CONTACTS)
110 - WHITE MALE HOUSING FOR WIRE INSULATION Ø1.00 TO Ø1.30
310 - BLUE MALE HOUSING FOR WIRE INSULATION Ø1.00 TO Ø1.30
510 - ORANGE MALE HOUSING FOR WIRE INSULATION Ø1.00 TO Ø1.30
111 - WHITE MALE HOUSING FOR WIRE INSULATION Ø1.30 TO Ø1.70
311 - BLUE MALE HOUSING FOR WIRE INSULATION Ø1.30 TO Ø1.70
511 - ORANGE MALE HOUSING FOR WIRE INSULATION Ø1.30 TO Ø1.70
210 - WHITE FEMALE HOUSING FOR WIRE INSULATION Ø1.00 TO Ø1.30
410 - BLUE FEMALE HOUSING FOR WIRE INSULATION Ø1.00 TO Ø1.30
610 - ORANGE FEMALE HOUSING FOR WIRE INSULATION Ø1.00 TO Ø1.30
211 - WHITE FEMALE HOUSING FOR WIRE INSULATION Ø1.30 TO Ø1.70
411 - BLUE FEMALE HOUSING FOR WIRE INSULATION Ø1.30 TO Ø1.70
611 - ORANGE FEMALE HOUSING FOR WIRE INSULATION Ø1.30 TO Ø1.70

Assembly Layout



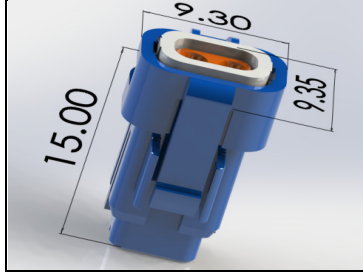
Male Housing:

560-002-000-XXX



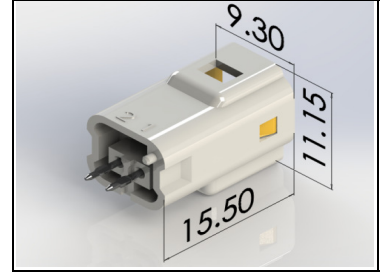
Female Housing:

560-002-000-XXX

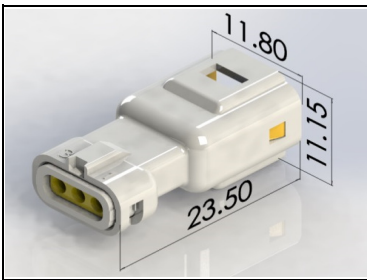


PCB Header

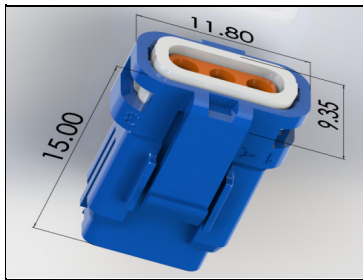
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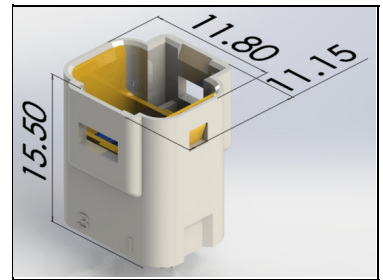
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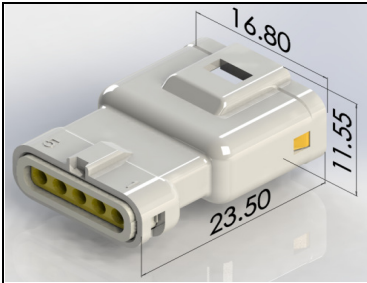
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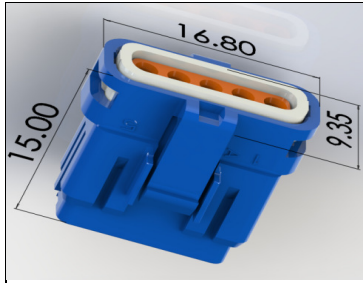
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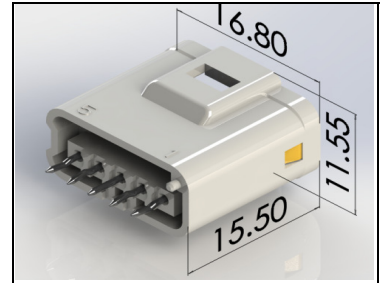
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560-005-000-XXX



560-005-420-XXX



Male Housing:

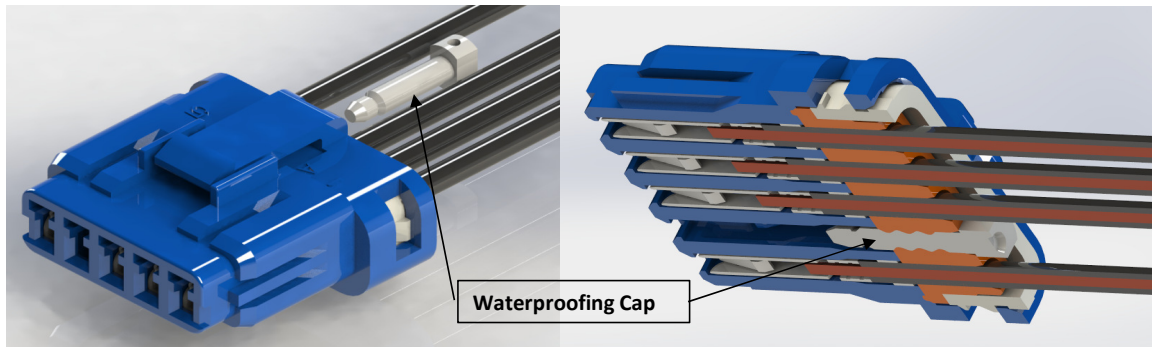
| Ø Wire Insulation | Housing Color | XXX |
|-------------------|---------------|-----|
| Ø1.00 to Ø1.30 | White | 110 |
| | Blue | 310 |
| Ø1.30 to Ø1.70 | White | 111 |
| | Blue | 311 |

Female Housing:

| Ø Wire Insulation | Housing Color | XXX |
|-------------------|---------------|-----|
| Ø1.00 to Ø1.30 | White | 210 |
| | Blue | 410 |
| Ø1.30 to Ø1.70 | White | 211 |
| | Blue | 411 |

PCB Header:

| Housing Color | XXX |
|---------------|-----|
| White | 101 |
| Blue | 301 |



NOTE: Waterproofing Cap is installed at the wire seal end to cover the unused holes.