

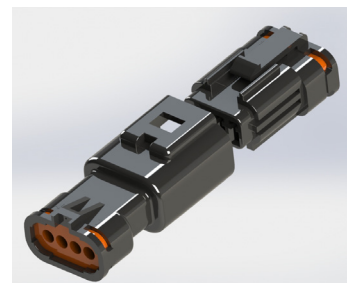
566 SERIES



WATERPROOF WIRE TO WIRE & WIRE TO BOARD CONNECTORS

Features:

- 2.0mm pitch, rated current: 2A max
- Fully waterproof solution available in 2, 3, 4, or 6 positions (2 and 3 positions only for wire to board)
- Available in wire to wire and wire to board options
- Seals preassembled into housing; no external sealing required
- True crimp and poke solution
- Waterproofing cap available to cover unused positions
- Available with wire already installed
- Waterproof Grade: IP67 Certified



Specifications:

No. of Positions	2, 3, 4, or 6
Pitch	2.0 mm
Rated Voltage	250 V
Rated Current	2 amps maximum
Dielectric Withstanding Voltage	1000 V AC (rms)
Contact Resistance	10 milliohms maximum
Insulation Resistance	1000 megaohms minimum/DC 500 V
Operating Temperature	-40°C to +105°C
PCB Thickness	1.6 mm

Ordering Code:

566-002-000-710

SERIES: 566, WIRE TO WIRE
WIRE TO BOARD

NO. OF CONTACTS:
002 - 2 CONTACTS
003 - 3 CONTACTS
004 - 4 CONTACTS
006 - 6 CONTACTS

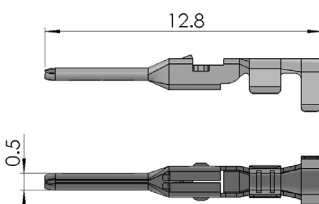
CONTACT CODE:
000 - NO CONTACTS (ONLY FOR CRIMP CONTACTS)
421 - BOARD MOUNT CONTACTS (PCB) ONLY FOR
2 & 3 PIN SIZE

STYLE:
701 - BLACK MALE HOUSING (ONLY FOR BOARD MOUNT CONTACTS)
710 - BLACK MALE HOUSING FOR WIRE INSULATION Ø1.00 TO Ø1.25
711 - BLACK MALE HOUSING FOR WIRE INSULATION Ø1.25 TO Ø1.50
810 - BLACK FEMALE HOUSING FOR WIRE INSULATION Ø1.00 TO Ø1.25
811 - BLACK FEMALE HOUSING FOR WIRE INSULATION Ø1.25 TO Ø1.50

Crimp Contact:

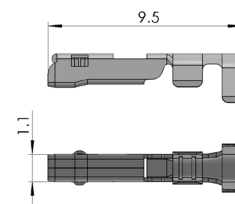
Male Contact (Pin)			
Part No	AWG#	Ins. Dia.	Pcs/Reel
566-290-711	22-28	Ø1.0~Ø1.5	12,000

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



Female Contact (Socket)			
Part No	AWG#	Ins. Dia.	Pcs/Reel
566-290-721	22-28	Ø1.0~Ø1.5	12,000

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

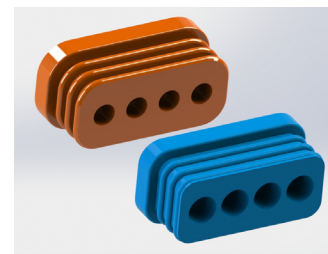


Materials:

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

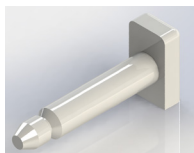
Rear Gasket (Wire Seal):

Applicable Contact	Wire O.D.	Color
566-290-711	Ø1.00 to Ø1.25	Light Blue
566-290-721	Ø1.25 to Ø1.50	Orange



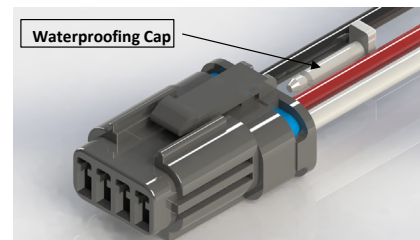
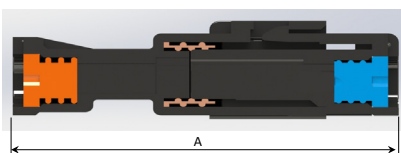
Waterproofing Cap:

Part No.
566-200-100



Assembly Layout:

PIN SIZE:	A (mm) LENGTH:
2P, 3P, 4P	28.85
6P	29.05

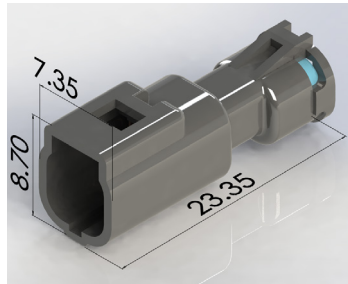


Male Housing:

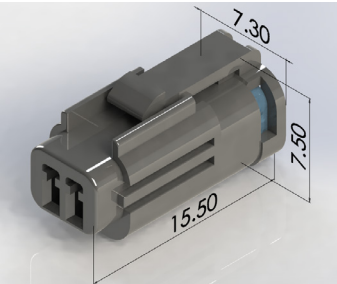
Female Housing:

PCB Header

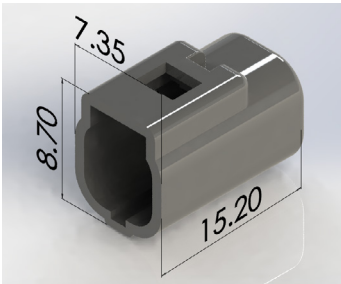
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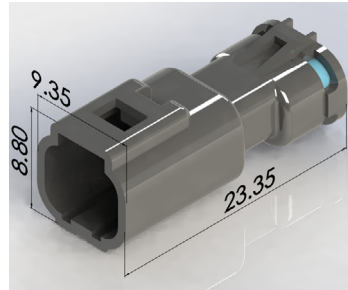
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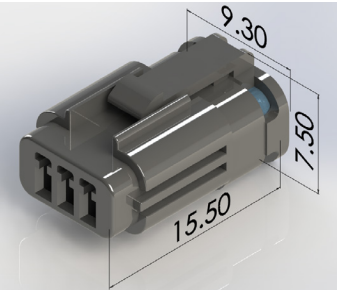
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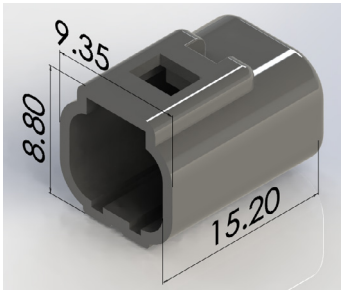
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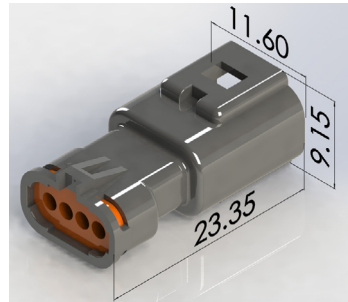
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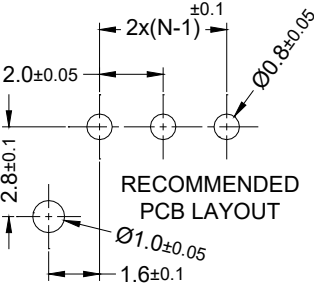
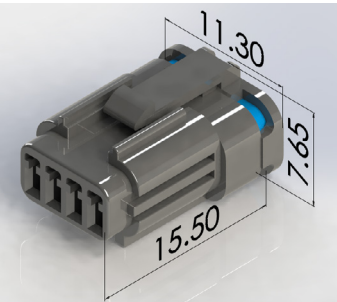
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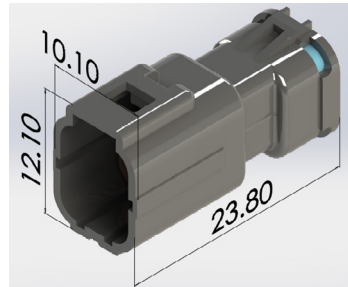
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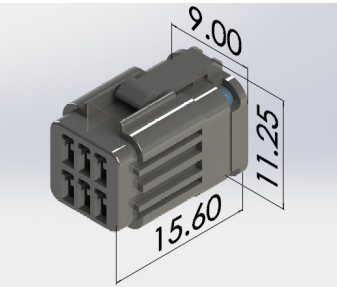
566-004-000-XXX



566-006-000-XXX



566-006-000-XXX



Male Housing:

Female Housing:

Ø Wire Insulation	Housing Color	XXX
"Ø1.00 to Ø1.25"	Black	710
"Ø1.25 to Ø1.50"	Black	711

Ø Wire Insulation	Housing Color	XXX
"Ø1.00 to Ø1.25"	Black	810
"Ø1.25 to Ø1.50"	Black	811