



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





- 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 holes of wire seal
- Available with wire already installed
- Waterproof Grade IP67 Certified



Specifications:

No. of Positions	2, 3, 4, or 6P
Pitch	2.0mm
Rated Voltage	250V
Rated Current	2A max
Withstanding Voltage	1000V AC (rms)
Contact Resistance	10 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
566-200-100



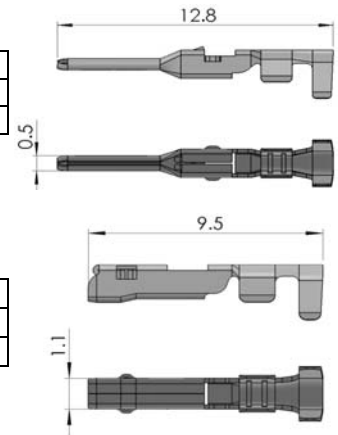
Crimp Contact:

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.



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



Ordering Code: **566-002-000-710**

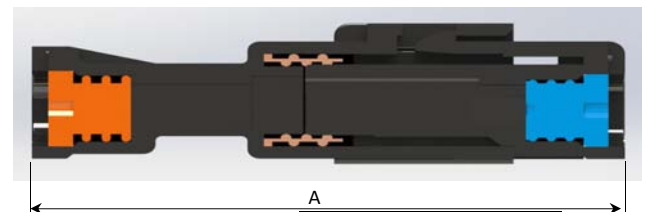
SERIES: _____
566, WIRE TO WIRE
WIRE TO BOARD

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

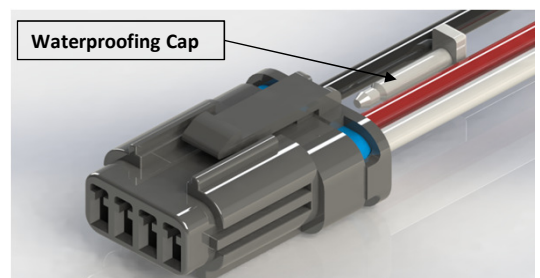
CONTACT CODE: _____
000 - NO CONTACTS (ONLY FOR CRIMP CONTACTS)
421 - BOARD MOUNT CONTACTS (PCB) ONLY FOR
2 & 3 PIN SIZE

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

Assembly Layout



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



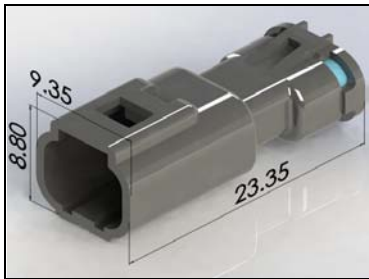
NOTE: Waterproofing Cap is installed at the wire seal end to cover the unused holes.

Male Housing:

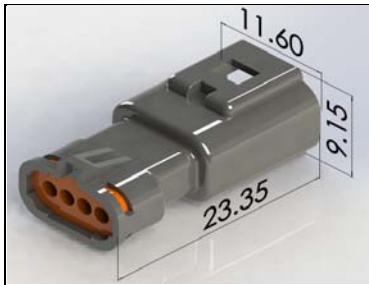
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566-003-000-XXX



566-004-000-XXX

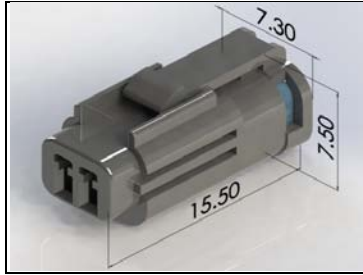


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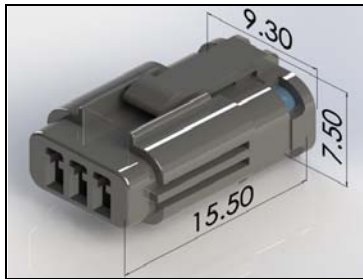


Female Housing:

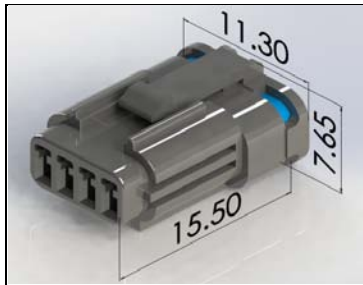
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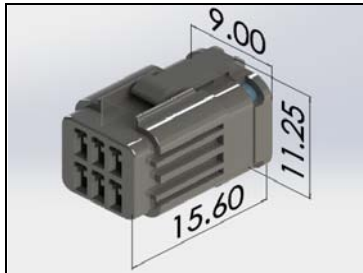
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566-004-000-XXX

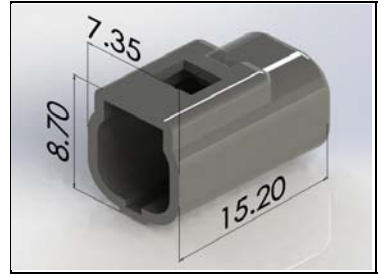


566-006-000-XXX

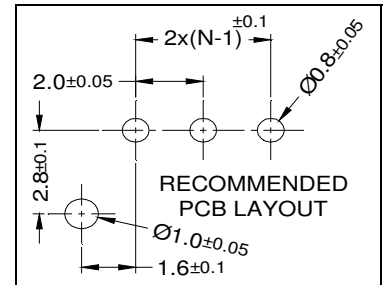
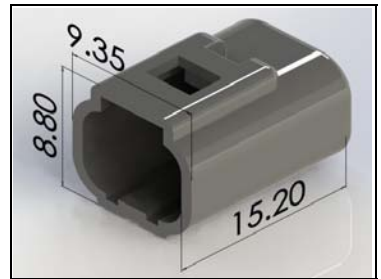


PCB Header

566-002-421-701



566-003-421-701



Male Housing:

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

Female Housing:

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