

# 560 SERIES



## WATERPROOF WIRE TO WIRE & WIRE TO BOARD CONNECTORS

### 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

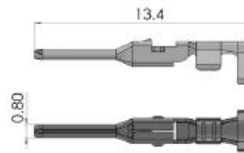
**CONTACT CODE:**  
000 - NO CONTACTS (ONLY FOR CRIMP CONTACTS)  
420 - BOARD MOUNT CONTACTS

**STYLE:**  
101 - WHITE MALE HOUSING (ONLY FOR BOARD MOUNT CONTACTS)  
301 - BLUE MALE HOUSING (ONLY FOR BOARD MOUNT CONTACTS)  
110 - WHITE MALE HOUSING FOR WIRE INSULATION Ø1.00 TO Ø1.30  
310 - BLUE 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  
210 - WHITE FEMALE HOUSING FOR WIRE INSULATION Ø1.00 TO Ø1.30  
410 - BLUE 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

### Crimp Contact:

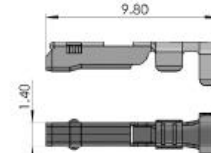
Male Contact (Pin)			
Part No	AWG#	Ins. Dia.	Pcs/Reel
565-290-731	20-22	Max. Ø1.7	8,000
565-290-711	22-28	Max. Ø1.6	8,000

\*\*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.



### Materials:

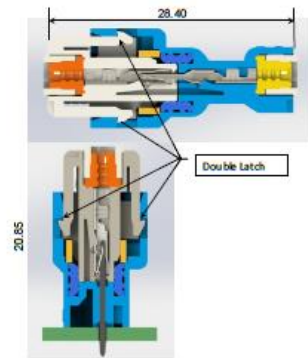
Crimp & Poke	Housing	PBT, UL 94V-0
	Contact	Phosphor Bronze
PCB Header	Housing	PBT with Glass, UL 94V-0
	Contact	Brass
Contact Plating		Tin Plating
Wire & Housing Seals		Silicone Rubber
Waterproofing Cap		PBT, UL 94V-0

### Rear Gasket (Wire Seal):

Applicable Contact:	Wire O.D.:	Color:
565-290-711 565-290-721	Ø1.00 to Ø1.30	Yellow
565-290-731 565-290-741	Ø1.30 to Ø1.70	Orange



### Assembly Layout:



### Waterproofing Cap:

Part No.:
565-200-100



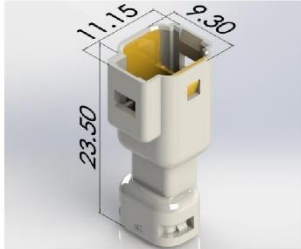
# 560 SERIES



WIRE TO WIRE / WIRE TO BOARD 2.5MM PITCH

## Male Housing:

560-002-000-XXX



560-003-000-XXX

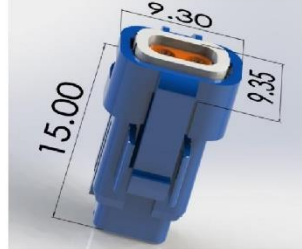


560-005-000-XXX

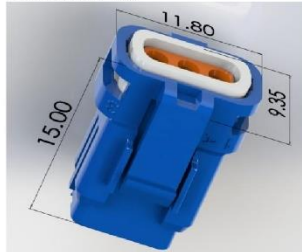


## Female Housing:

560-002-000-XXX



560-003-000-XXX

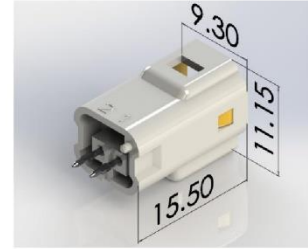


560-005-000-XXX

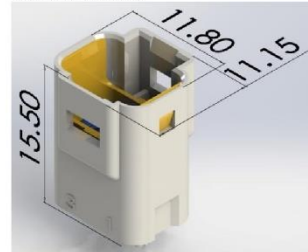


## PCB Header

560-002-420-XXX



560-003-420-XXX



560-005-420-XXX



## Male Housing:

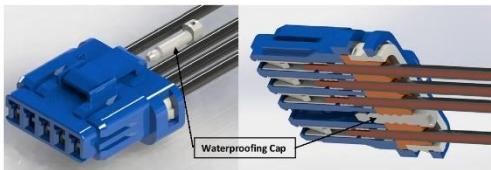
Ø Wire Insulation:	Housing Color:	XXX:
Ø1.00 to Ø1.30	White	110
	Blue	310
Ø1.30 to Ø1.70	White	111
	Blue	311

## 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



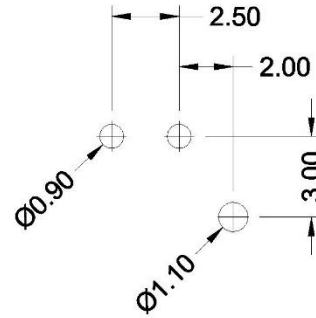
**NOTE:** Waterproofing Cap is installed at the wire seal end to cover the unused holes.

# 560 SERIES

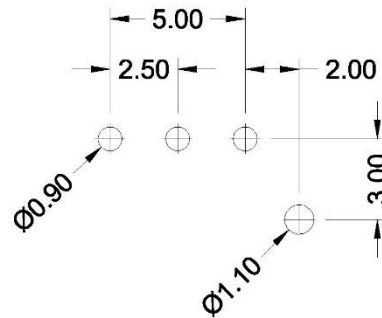


WIRE TO WIRE / WIRE TO BOARD 2.5MM PITCH

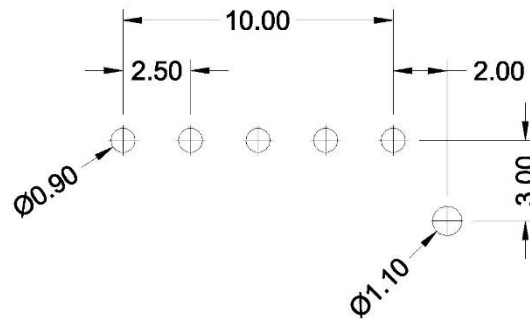
560 SERIES - 2P



560 SERIES - 3P



560 SERIES - 5P

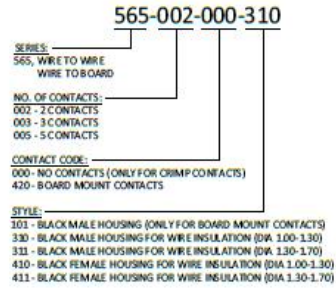


# 565 SERIES



WATERPROOF WIRE TO WIRE & WIRE TO BOARD CONNECTORS

## Ordering Code:



## 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:

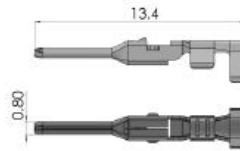
<b>Part No.:</b>
565-200-100



## Crimp Contact:

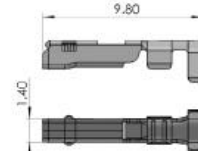
Male Contact (Pin)			
Part No	AWG#	Ins. Dia.	Pcs./Reel
565-290-731	20-22	Max. Ø1.7	8,000
565-290-711	22-28	Max. Ø1.6	8,000

\*\*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 pre-assembled in the connector.



## Rear Gasket (Wire Seal):

Applicable Contact:	Wire O.D.:	Color:
565-290-711 565-290-721	*Ø1.00 to Ø1.30"	Yellow
565-290-731 565-290-741	*Ø1.30 to Ø1.70"	Orange



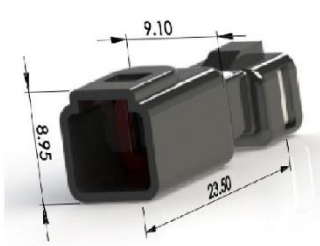
# 565 SERIES



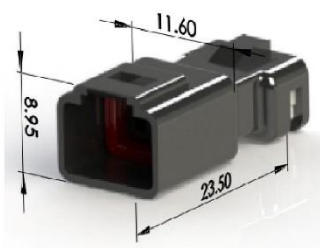
WATERPROOF WIRE TO WIRE & WIRE TO BOARD CONNECTORS

## Male Housing:

565-002-000-XXX



565-003-000-XXX

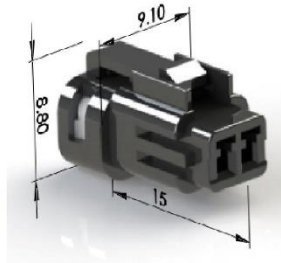


565-005-000-XXX

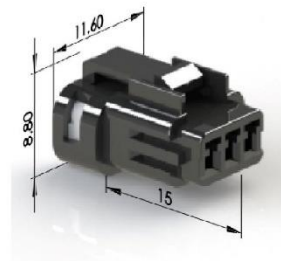


## Female Housing:

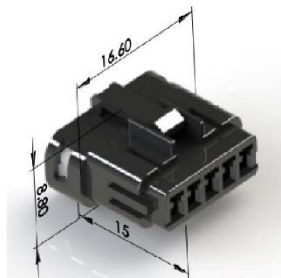
565-002-000-XXX



565-003-000-XXX



565-005-000-XXX

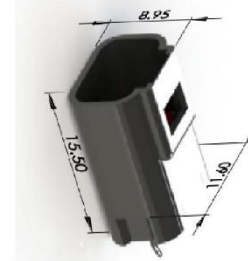


## PCB Header:

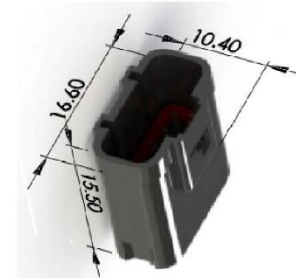
565-002-420-XXX



565-003-420-XXX



565-005-420-XXX



## Male Housing:

Ø Wire Insulation:	Housing Color:	XXX:
Ø1.00 to Ø1.30"	Black	310
Ø1.30 to Ø1.70"	Black	311

## Female Housing:

Ø Wire Insulation:	Housing Color:	XXX:
Ø1.00 to Ø1.30"	Black	410
Ø1.30 to Ø1.70"	Black	411

## PCB Header:

Housing Color	XXX
Black	101

# 565 SERIES

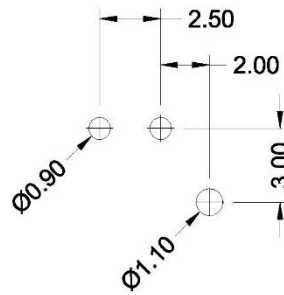


WATERPROOF WIRE TO WIRE & WIRE TO BOARD CONNECTORS

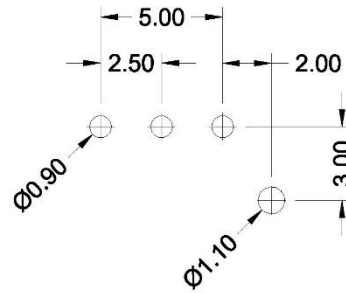


## Recommended PCB Layout

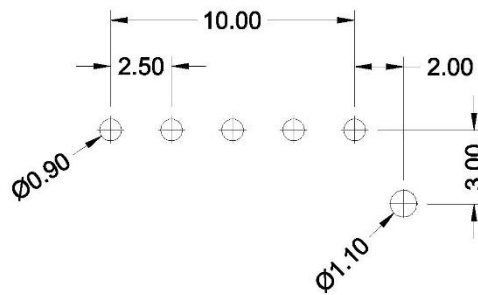
560 SERIES - 2P



560 SERIES - 3P



560 SERIES - 5P



# 566 SERIES



## WATERPROOF WIRE TO WIRE & WIRE TO BOARD CONNECTORS

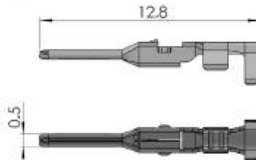
### Ordering Code:



### Crimp Contact:

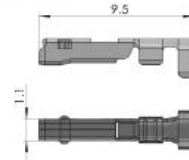
Male Contact (Pin)			
Part No	AWG#	Ins. Dia.	Pcs/Reel
566-290-711	22-28	Ø1.0-Ø1.5	12,000

\*\*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.

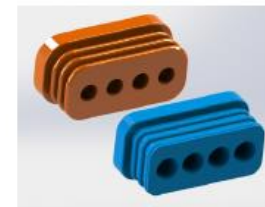


### Materials:

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

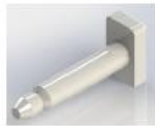
### Rear Gasket (Wire Seal):

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



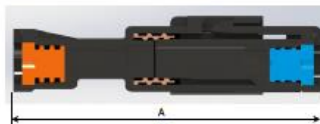
### Waterproofing Cap:

Part No.
566-200-100



### Assembly Layout:

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



# 566 SERIES



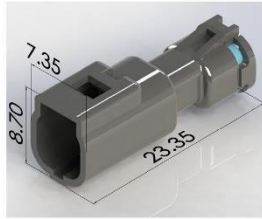
WATERPROOF WIRE TO WIRE & WIRE TO BOARD CONNECTORS

## Male Housing:

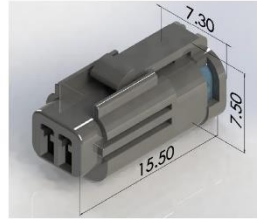
## Female Housing:

## PCB Header

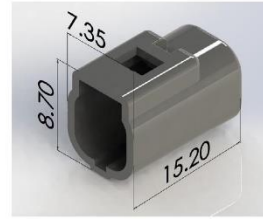
566-002-000-XXX



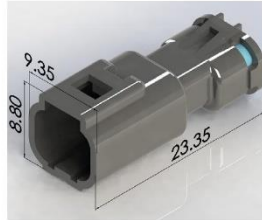
566-002-000-XXX



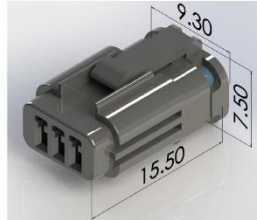
566-002-421-701



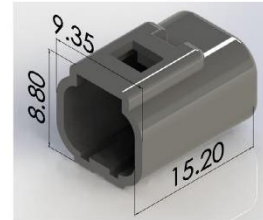
566-003-000-XXX



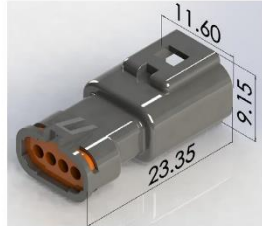
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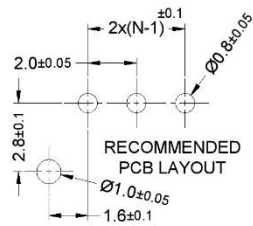
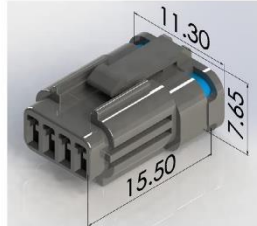
566-003-000-XXX



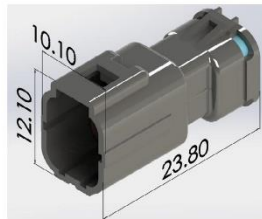
566-004-000-XXX



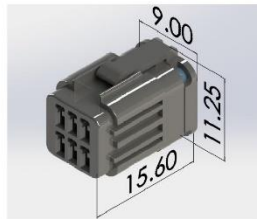
566-004-000-XXX



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



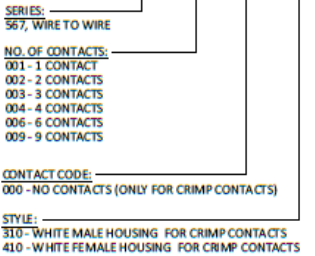
# 567 SERIES



WATERPROOF WIRE TO WIRE & CONNECTORS

## Ordering Code:

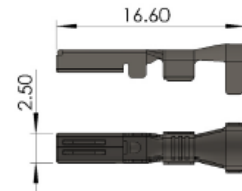
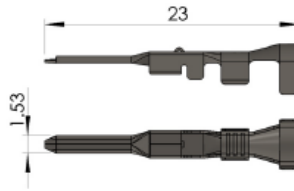
567-002-000-100



## Crimp Contact:

Male Contact (Pin)			
Part No (Material)	AWG#	Ins. Dia.	Pcs/Reel
570-290-751 (Brass)	14	Max. Ø3.1	4,000
570-291-731 (Ph. Brz.)	20-16	Max. Ø3.1	4,000
570-290-731 (Brass)	20-16	Max. Ø3.1	4,000
570-290-711 (Brass)	22-20	Max. Ø2.7	4,000

Female Contact (Socket)			
Part No (Material)	AWG#	Ins. Dia.	Pcs/Reel
570-290-761 (Brass)	14	Max. Ø3.1	4,000
570-291-741 (Ph. Brz.)	20-16	Max. Ø3.1	4,000
570-290-741 (Brass)	20-16	Max. Ø3.1	4,000
570-291-721 (Ph. Brz.)	22-20	Max. Ø2.7	4,000
570-290-721 (Brass)	22-20	Max. Ø2.7	4,000



## Materials:

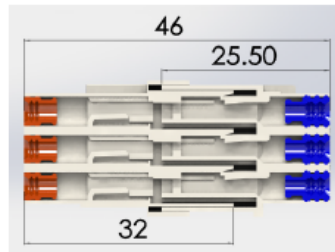
Housing	PBT, UL 94V-0
Contact	Ph. Brz. or Brass
Contact Plating	Tin Plating
Wire & Housing Seals	Silicone Rubber

## Wire Seal:

Part No.	Wire O.D.	Color	AWG#	Ø Dia.	Height
570-260-001	Ø1.7~Ø2.1	Black	22	Ø 5.0	6.0
570-260-002	Ø2.1~Ø2.7	Light Blue	22-20	Ø 5.0	6.0
570-260-003	Ø2.1~Ø2.7	Blue	22-20	Ø 5.0	6.7
570-260-004	Ø2.7~Ø3.1	Brown	20-14	Ø 4.9	5.0



## Assembly Layout:



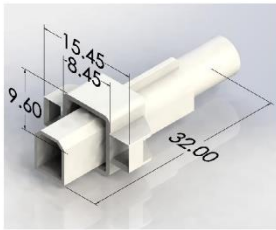
# 567 SERIES

WATERPROOF WIRE TO WIRE & CONNECTORS

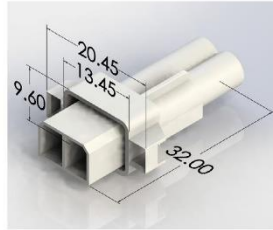


## Male Housing:

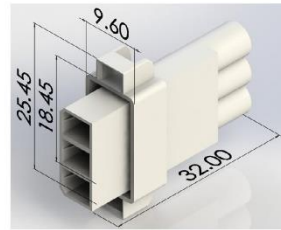
567-001-000-310



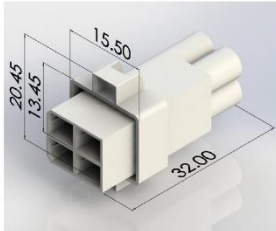
567-002-000-310



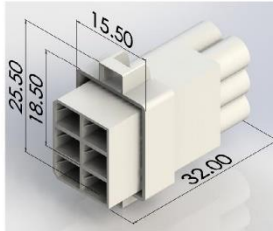
567-003-000-310



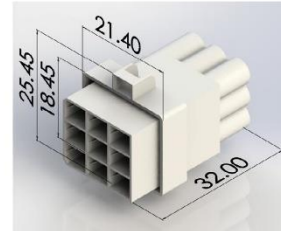
567-004-000-310



567-006-000-310

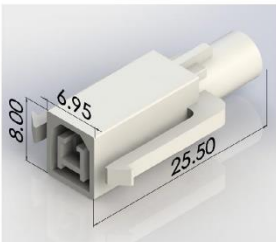


567-009-000-310

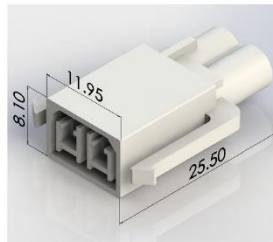


## Female Housing:

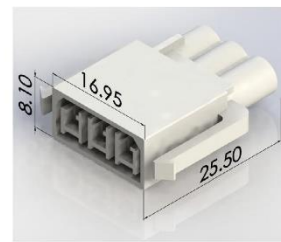
567-001-000-410



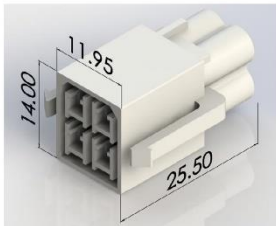
567-002-000-410



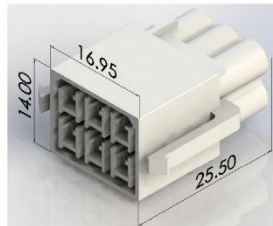
567-003-000-410



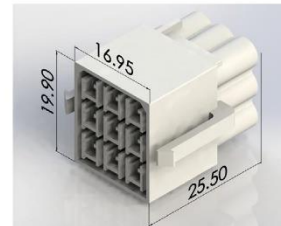
567-004-000-410



567-006-000-410



567-009-000-410



# 568 SERIES



## WATERPROOF WIRE TO WIRE CONNECTORS

### Features:

- Rated current: 12A max
- Splashproof solution for single position
- Available in wire to wire option
- True crimp and poke solution with various sized wire seals available
- Available with wire already installed
- Splash Proof Grade: IP52 (JIS C0920) Certified



### Specifications:

Rated Voltage	300 V
Rated Current	12 amps maximum
Dielectric Withstanding Voltage	1700 V AC (rms)
Contact Resistance	10 milliohms maximum
Insulation Resistance	1000 megaohms minimum/DC 500 V
Operating Temperature	-40°C to +105°C

### Materials:

Housing	PBT, UL 94V-0
Contact	Ph. Brz. or Brass
Contact Plating	Tin Plating
Wire & Housing Seals	Silicone Rubber

\*\*Crimp Contacts are also available in strips of 40pcs. Contact EDAC for more information.

### Crimp Contact:

Male Contact (Pin)			
Part No (Material)	AWG#	Ins. Dia.	Pcs/Reel
570-290-751 (Brass)	14	Max. Ø3.1	4,000
570-291-731 (Ph. Brz.)	20-16	Max. Ø3.1	4,000
570-290-731 (Brass)	20-16	Max. Ø3.1	4,000
570-290-711 (Brass)	22-20	Max. Ø2.7	4,000

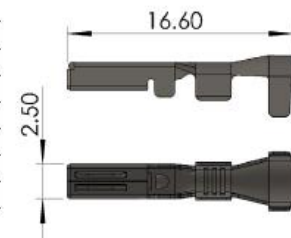


### Wire Seal:

Part No.	Wire O.D.	Color	AWG#	Ø Dia.	Height
570-260-001	Ø1.7~Ø2.1	Black	22	Ø 5.0	6.0
570-260-002	Ø2.1~Ø2.7	Light Blue	22-20	Ø 5.0	6.0
570-260-003	Ø2.1~Ø2.7	Blue	22-20	Ø 5.0	6.7
570-260-004	Ø2.7~Ø3.1	Brown	20-14	Ø 4.9	5.0



Female Contact (Socket)			
Part No (Material)	AWG#	Ins. Dia.	Pcs/Reel
570-290-761 (Brass)	14	Max. Ø3.1	4,000
570-291-741 (Ph. Brz.)	20-16	Max. Ø3.1	4,000
570-290-741 (Brass)	20-16	Max. Ø3.1	4,000
570-291-721 (Ph. Brz.)	22-20	Max. Ø2.7	4,000
570-290-721 (Brass)	22-20	Max. Ø2.7	4,000



### Ordering Guide:

#### Male Housing:



568-001-000-100

#### Female Housing:



568-001-000-200

#### Assembly Layout:

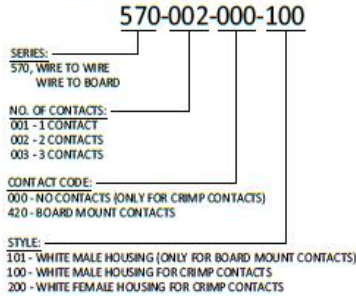


# 570 SERIES



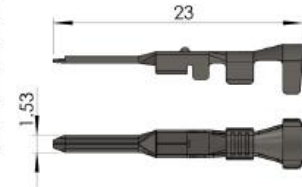
WATERPROOF WIRE TO WIRE & WIRE TO BOARD CONNECTORS

## Ordering Code:

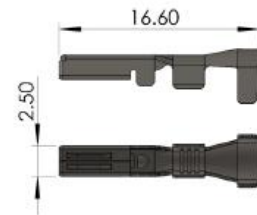


## Crimp Contact:

Male Contact (Pin)			
Part No (Material)	AWG#	Ins. Dia.	Pcs/Reel
570-290-751 (Brass)	14	Max. Ø3.1	4,000
570-291-731 (Ph. Brz.)	20-16	Max. Ø3.1	4,000
570-290-731 (Brass)	20-16	Max. Ø3.1	4,000
570-290-711 (Brass)	22-20	Max. Ø2.7	4,000



Female Contact (Socket)			
Part No (Material)	AWG#	Ins. Dia.	Pcs/Reel
570-290-761 (Brass)	14	Max. Ø3.1	4,000
570-291-741 (Ph. Brz.)	20-16	Max. Ø3.1	4,000
570-290-741 (Brass)	20-16	Max. Ø3.1	4,000
570-291-721 (Ph. Brz.)	22-20	Max. Ø2.7	4,000
570-290-721 (Brass)	22-20	Max. Ø2.7	4,000



## Materials:

Crimp & Poke	Housing	PBT, UL 94V-0
	Contact	Ph. Brz. or Brass
PCB Header	Housing	PBT with Glass, UL 94V-0
	Contact	Brass
Contact Plating		Tin Plating
Wire & Housing Seals		Silicone Rubber

\*\*Crimp Contacts are also available in strips of 40pcs. Contact EDAC for more information.

\*\*Housing seals are pre-assembled in the connector. Wire seals must be crimped with wire and contact prior to assembly in to housing.

## Wire Seal:

Part No.	Wire O.D.	Color	AWG#	Ø Dia.	Height
570-260-001	Ø1.7~Ø2.1	Black	22	Ø 5.0	6.0
570-260-002	Ø2.1~Ø2.7	Light Blue	22-20	Ø 5.0	6.0
570-260-003	Ø2.1~Ø2.7	Blue	22-20	Ø 5.0	6.7
570-260-004	Ø2.7~Ø3.1	Brown	20-14	Ø 4.9	5.0



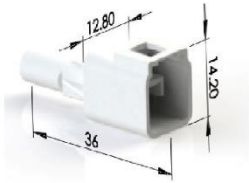
# 570 SERIES



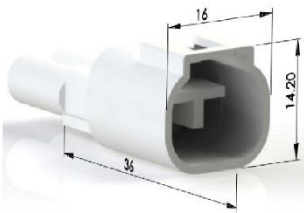
WATERPROOF WIRE TO WIRE & WIRE TO BOARD CONNECTORS

## Male Housing:

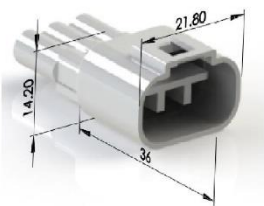
570-001-000-100



570-002-000-100



570-003-000-100



## Female Housing:

570-001-000-200



570-002-000-200

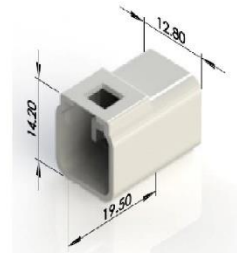


570-003-000-200

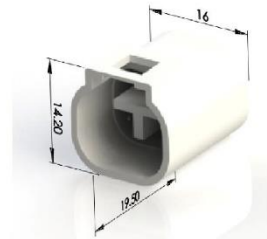


## PCB Header

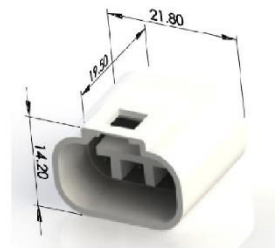
570-001-420-101



570-002-420-101



570-003-420-101



# 570 SERIES

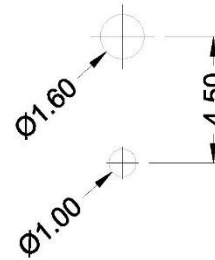


WATERPROOF WIRE TO WIRE & WIRE TO BOARD CONNECTORS

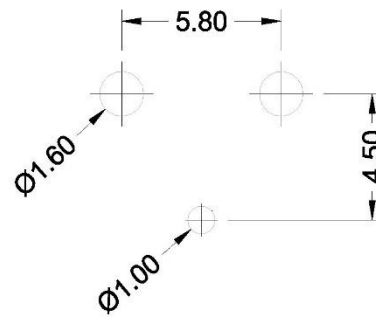


## Recommended PCB Layout

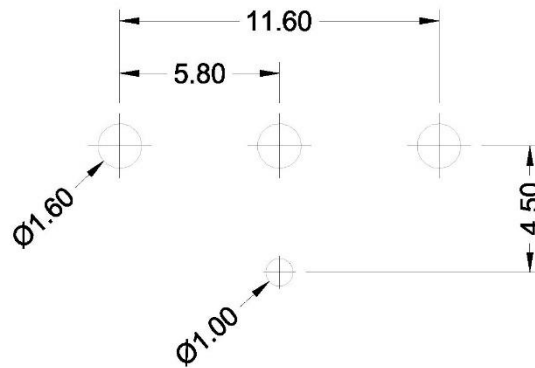
572 SERIES - 1P



572 SERIES - 2P



572 SERIES - 3P



# 572 SERIES



WATERPROOF WIRE TO WIRE & WIRE TO BOARD CONNECTORS

## Ordering Code:



## Crimp Contact:

Male Contact (Pin)			
Part No (Material)	AWG#	Ins. Dia.	Pcs/Reel
570-290-751 (Brass)	14	Max Ø3.1	4,000
570-291-731 (Ph. Brz.)	20-16	Max Ø3.1	4,000
570-290-731 (Brass)	20-16	Max Ø3.1	4,000
570-290-711 (Brass)	22-20	Max Ø2.7	4,000

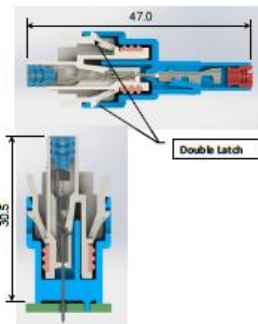
Female Contact (Socket)			
Part No (Material)	AWG#	Ins. Dia.	Pcs/Reel
570-290-761 (Brass)	14	Max Ø3.1	4,000
570-291-741 (Ph. Brz.)	20-16	Max Ø3.1	4,000
570-290-741 (Brass)	20-16	Max Ø3.1	4,000
570-291-721 (Ph. Brz.)	22-20	Max Ø2.7	4,000
570-290-721 (Brass)	22-20	Max Ø2.7	4,000



## Materials:

Crimp & Poke	Housing	PBT, UL 94V-0
	Contact	Ph. Brz. or Brass
PCB Header	Housing	PBT with Glass, UL 94V-0
	Contact	Brass
Contact Plating		Tin Plating
Wire & Housing Seals		Silicone Rubber

## Assembly Layout:



## Wire Seal:

Part No.	Wire O.D.	Color	AWG#	Ø Dia.	Height
570-260-001	Ø1.7~Ø2.1	Black	22	Ø 5.0	6.0
570-260-002	Ø2.1~Ø2.7	Light Blue	22-20	Ø 5.0	6.0
570-260-003	Ø2.1~Ø2.7	Blue	22-20	Ø 5.0	6.7
570-260-004	Ø2.7~Ø3.1	Brown	20-14	Ø 4.9	5.0



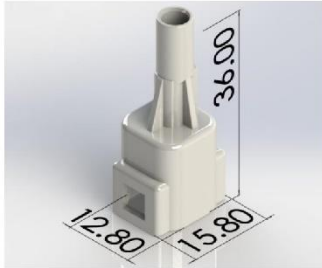
# 572 SERIES



WIRE TO WIRE / WIRE TO BOARD 5.8MM PITCH

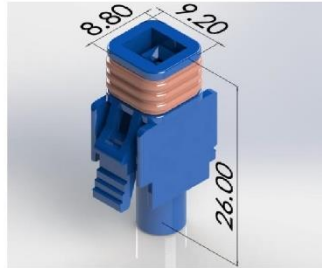
## Male Housing:

572-002-000-XXX



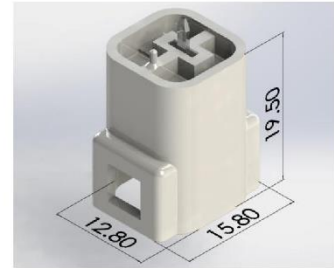
## Female Housing:

572-002-000-XXX

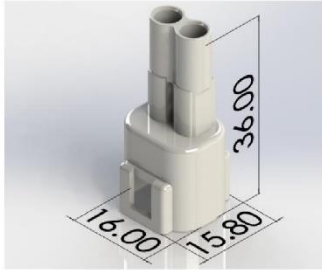


## PCB Header

572-002-420-XXX



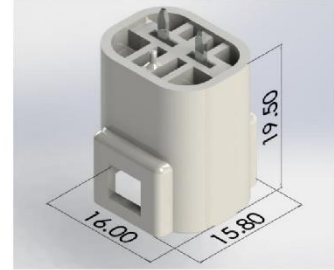
572-003-000-XXX



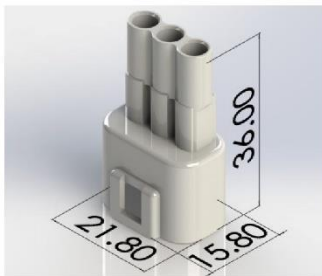
572-003-000-XXX



572-003-420-XXX



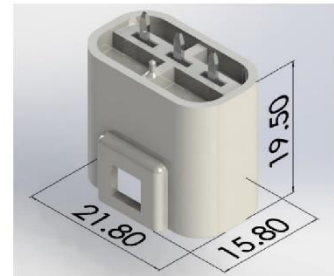
572-005-000-XXX



572-005-000-XXX



572-005-420-XXX



## Male Housing:

Housing Color:	XXX:
White	100
Blue	300

## Female Housing:

Housing Color:	YYY:
White	200
Blue	400

## PCB Header:

Housing Color:	XXX:
White	101
Blue	301



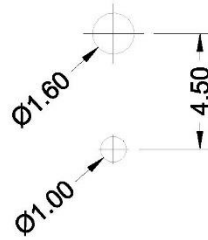
# 572 SERIES

WIRE TO WIRE / WIRE TO BOARD 5.8MM PITCH

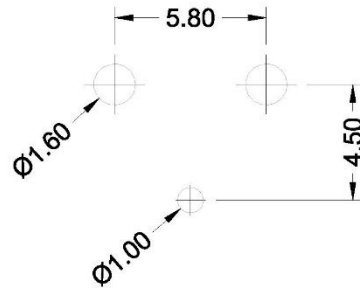


## Recommended PCB Layout

572 SERIES - 1P



572 SERIES - 2P



572 SERIES - 3P

