



# SEALED AMPLIMITE D-SUBMINIATURE CONNECTORS

MIL-SPEC D-SUB CONNECTORS WITH WATER AND DUST INGRESS PROTECTION TO IP67

## ENVIRONMENTALLY SEALED

- IP67 rated
- Grommet, interfacial seal, and internal connector sealant
- Tested to 1 m depth

## FULL RANGE

- Standard and high-density versions

## COMPATIBLE

- Designed to meet MIL-DTL-24308
- Uses AS39029 QPL contacts
- Intermateable with standard D-Subminiature connectors

Mil-spec AMPLIMITE connectors from TE Connectivity (TE) are now available with environmental sealing to IP67 levels. Sealed AMPLIMITE cable connectors come in two series:

- Series 109 standard-density, using Size 20 contacts
- Series 90 high-density, using Size 22 contacts

The connectors exceed IP67 performance levels, having been successfully tested by TE submerged to 1 m depth. The connectors include both grommet sealing on the wire-entry end and a one-piece interfacial seal on the mating face.

The connectors are supplied with rear-release crimp contacts.

## TE Components . . . TE Technology . . . TE Know-how . . .

AMP | Agastat | CII | Hartman | Kilovac | Microdot | Nanonics | Polamco | Raychem | Rochester | DEUTSCH  
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Get your product to market faster with a smarter, better solution.

# SEALED AMPLIMITE D-SUBMINIATURE CONNECTORS

To Help Withstand Liquids and Harsh Environments



## MATERIALS

- **Shell:** Cadmium-plated steel
- **Insert:** Glass-filled polyester
- **Sealing Grommets:** Fluorosilicone rubber per A-A-59588
- **Interfacial Seal:** 80/20 fluorosilicone/silicone rubber blend
- **Retention Clips:** Stainless steel
- **Contacts:** Copper alloy, plated gold over nickel

## ENVIRONMENTAL

- **Temperature Range:** -55°C to +125°C
- **Sealing:** IP67

## ELECTRICAL

- **Current Rating:**  
Size 22 Contact: 5 A  
Size 20 Contact: 7.5 A

## STANDARDS

- **Connectors:** MIL-DTL-24308
- **Contacts:** AS39029
- **IP Sealing:** IEC 60529

## TEST REPORTS

- **Series 90:** 502-134102
- **Series 109:** 502-134103

## Connectors

Shell Size	No. of Pos.	Part No.			
		Plug		Receptacle	
		With Contacts	No Contacts	With Contacts	No Contacts
<b>Series 90 High Density</b>					
1	15	2221860-1	1-2221860-1	2221760-1	1-2221760-1
2	26	2221860-2	1-2221860-2	2221760-2	1-2221760-2
3	44	2221860-3	1-2221860-3	2221760-3	1-2221760-3
4	62	2221860-4	1-2221860-4	2221760-4	1-2221760-4
5	78	2221860-5	1-2221860-5	2221760-5	1-2221760-5
6	104	2221860-6	1-2221860-6	2221760-6	1-2221760-6
<b>Series 109 Standard Density</b>					
1	9	2157480-1	1-2157480-1	2157481-1	1-2157481-1
2	15	2157480-2	1-2157480-2	2157481-2	1-2157481-2
3	25	2157480-3	1-2157480-3	2157481-3	1-2157481-3
4	37	2157480-4	1-2157480-4	2157481-4	1-2157481-4
5	50	2157480-5	1-2157480-5	2157481-5	1-2157481-5

## Contacts (Supplied with Connector)

Size	Wire Range	Type	AS39029 Type	Part No.
22	28 - 22 AWG	Pin	/58-360	204370-2
		Socket	/57-354	204351-1
20	24 - 20 AWG	Pin	/64-369	205089-1
		Socket	/64-368	205090-1

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Consult TE for the latest dimensions and design specifications.

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