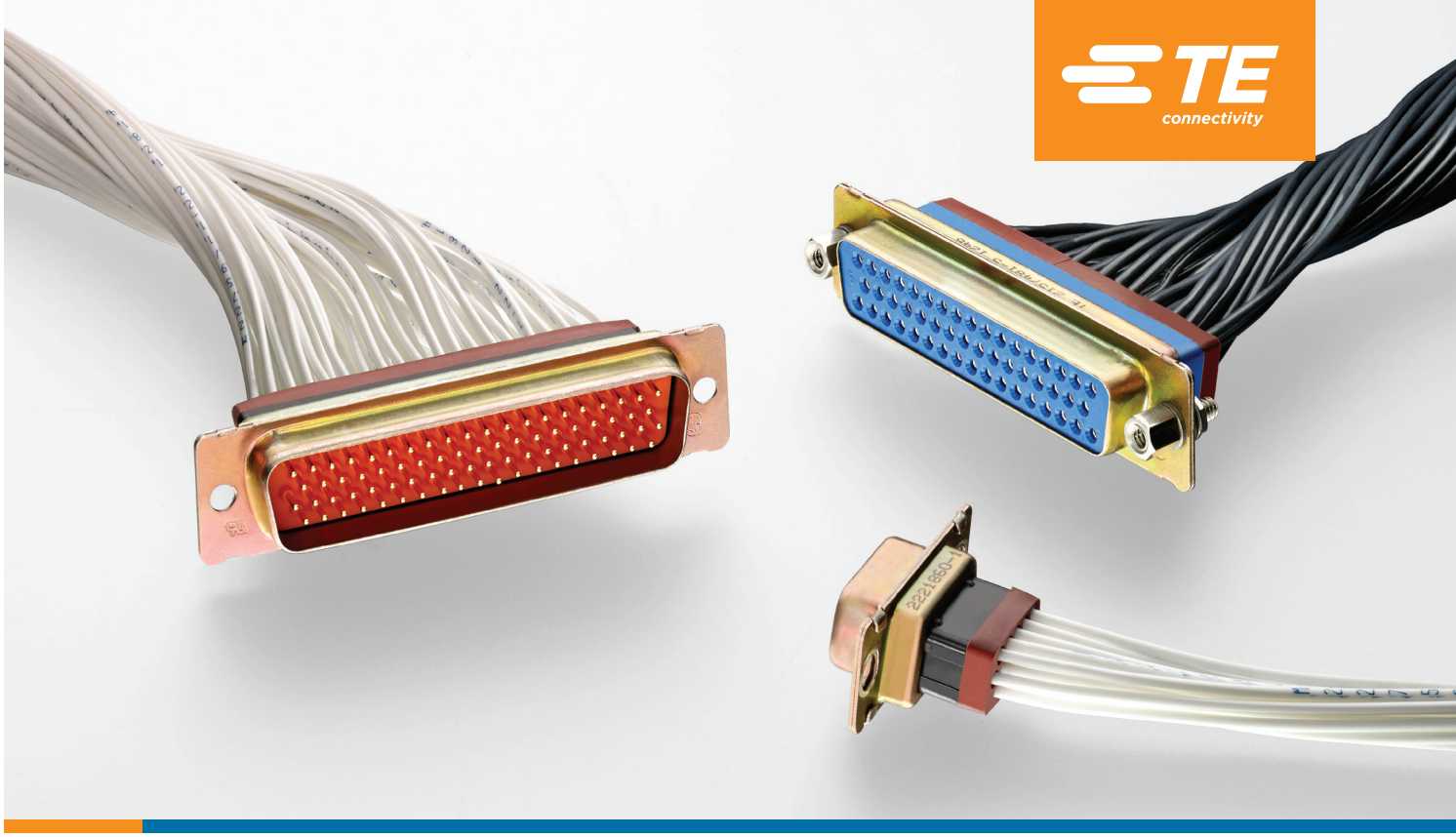


SEALED AMPLIMITE D-SUBMINIATURE CONNECTORS

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.

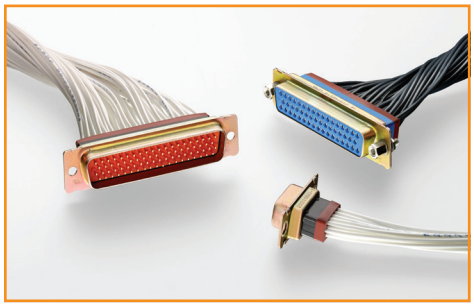
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Get your product to market faster with a smarter, better solution.

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
Series 90 High Density					
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
Series 109 Standard Density					
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

te.com/dsub67

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1-1773853-7 03/16

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Consult TE for the latest dimensions and design specifications.

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