



369 Shielded Rectangular Connector

Provides Shielding for Grounding and EMI Protection

369 Shielded Rectangular Connector

Our New 369 Shielded Connector Brings an Enhanced Product Extension to the Current 369 Connector Family



EASY TO INSTALL

- No fasteners
- Push/pull mate

VERSATILE

- Compatible with existing 369 connector series
- Easily removed for maintenance
- Meets ARINC 854 ethernet over single twisted pair (100Base-T1)

SPACE SAVING

- Compact design
- Tight mounting pitch of multiple connectors

WEIGHT SAVINGS

- Composite nickel plated shells
- No additional fasteners required

RUGGED

- Triple barrier wire seals
- Cork-in-bottle interface seal
- Performance up to 60K feet
- Uses AS39029 size 22 AWG contacts

RELIABLE

- Designed to MIL-DTL-38999 levels of performance
- EWIS compliant
- Positive blind-mate with audible latching click
- Scoop proof

ENVIRONMENTALLY FRIENDLY

- Low smoke, toxicity and flammability

Description

TE Connectivity (TE)'s new 369 shielded connector brings an enhanced product extension to the current 369 connector family where ambient EMI noise protection is required.

Backward Compatible

- Intermateable with current 369 product offerings.

Proven Shielding Effectiveness

- >60 DB at low frequencies
- >40 db at high frequencies
- Can withstand indirect lightning strike of 3.6ka

Lightweight and RoHs Compliant

- Composite nickel-plated shells

High Speed Capability

- Enables data transmission of 100Mbps (100 Base-T1)
- Up to 75% weight savings

Markets/Applications Served

Markets

- Commercial Aerospace
- Helicopter
- Drones and UAVs
- Military Ground Vehicles
- Mass Transit

Applications

- Lighting
- On-Board Entertainment
- Seat Wiring and Actuators
- Galley

Performance Characteristics

ELECTRICAL

- **Dielectric Withstanding Voltage:** 1500 Vrms mated, <2 mA leakage
- **Operating Current:** 5 A
- **Insulation Resistance:** ≥5000 MΩ initial
- **EMI Shielding Effectiveness:**

65dB @ 150MHz	55dB @ 400MHz
60dB @ 200MHz	45dB @ 800MHz
55dB @ 300MHz	43dB @ 1GHz
- Lightning strike
- 3.6kA per EIA-364, Test procedure 75, Type B, Level 1

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

AMP | AGASTAT | CII | HARTMAN | KILOVAC | MICRODOT | NANONICS | POLAMCO | Raychem
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Empower Engineers to Solve Problems, Moving the World Forward.

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MECHANICAL

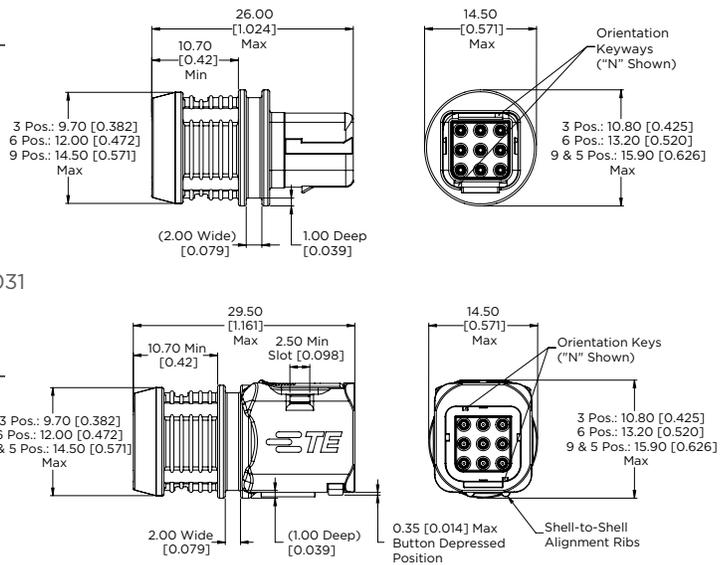
- **Operating Temperature:** -55°C to +175°C
- **Fluid Resistance:** EN2591-315
- **IP Rating:** IP67
- **Altitude/Humidity:** EN2591-314 7.24kPa/60k ft
- **Vibration:** EN2591-403, Method B, Level E, 8 hr/axis
- **Shock:** EN2591-402, Method A, Severity 100
- **Smoke and Toxicity:** FAR 25.853, Appendix F; ABD0031
- **Flammability:** FAR 25.853, Appendix F; EN2591-317

MATERIALS

- **Body and Insert:** Composite thermoplastic
- **Contacts:** Copper alloy, gold plated
- **Seals and Panel Gasket:** Fluorosilicone rubber
- Designed to meet the requirements of RoHS
- **Plating:** RoHS nickel over copper

ADDITIONAL KEY REQUIREMENTS

- **Recommended TE molded boot (size 9) P/N:** 202D972-4/86-0
- **Recommended TE molded boot (size 3 & 6) P/N:** 202D971-4/86-0
- **Recommended TE bandstrap P/N:** BND-0812S



Plug			
Shell Size	Mass		
	Pin Insert	Socket Insert	
3	3.40 g [0.120 oz]	3.50 g [0.124 oz]	
6	3.90 g [0.138 oz]	4.10 g [0.145 oz]	
9	4.50 g [0.159 oz]	4.70 g [0.166 oz]	

Receptacle			
Shell Size	Mass		
	Pin Insert	Socket Insert	
3	2.50 g [0.089 oz]	2.50 g [0.089 oz]	
6	2.90 g [0.103 oz]	2.80 g [0.099 oz]	
9	3.50 g [0.124 oz]	3.40 g [0.120 oz]	

369 Shielded		With Contacts		No Contacts	
3	Plug	Pin	D369-MP33-NP1	D369-MP33-NPO	
		Socket	D369-MP33-NS1	D369-MP33-NSO	
	Receptacle	Pin	D369-MR33-NP1	D369-MR33-NPO	
		Socket	D369-MR33-NS1	D369-MR33-NSO	
6	Plug	Pin	D369-MP66-NP1	D369-MP66-NPO	
		Socket	D369-MP66-NS1	D369-MP66-NSO	
	Receptacle	Pin	D369-MR66-NP1	D369-MR66-NPO	
		Socket	D369-MR66-NS1	D369-MR66-NSO	
9	Plug	Pin	D369-MP99-NP1	D369-MP99-NPO	
		Socket	D369-MP99-NS1	D369-MP99-NSO	
	Receptacle	Pin	D369-MR99-NP1	D369-MR99-NPO	
		Socket	D369-MR99-NS1	D369-MR99-NSO	

LET'S CONNECT

We make it easy to connect with our experts and are ready to provide all the support you need. Just call your local support number or visit www.te.com/industrial to chat with a Product Information Specialist.

Technical Support

te.com/support-center

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Consult TE for the latest dimensions and design specifications.

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