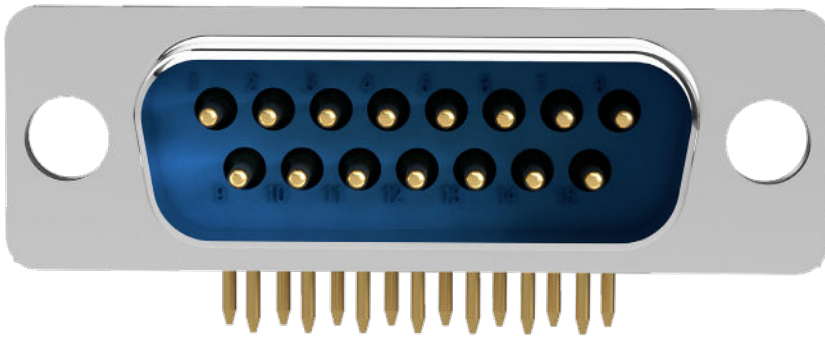


M24308

D-SUB CONNECTORS AND ACCESSORIES QUALIFIED TO MIL-DTL-24308

TWO TRUSTED MANUFACTURERS. ONE RELIABLE SOURCE.



CAGE CODE 28198

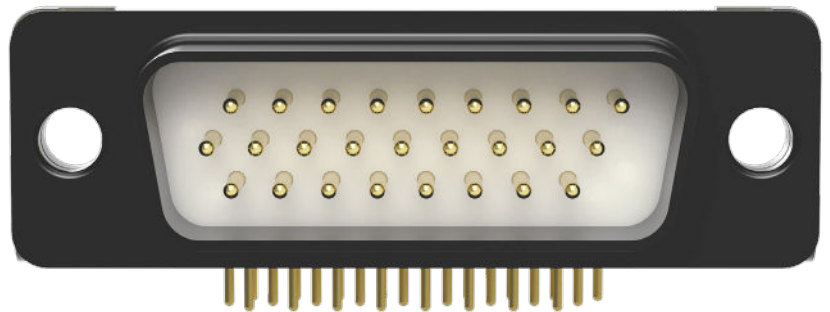
Over 2,300 QPL Part Numbers

Available with
Stainless Steel Shells

CAGE CODE 1433Y

Over 2,400 QPL Part Numbers

Available with
Zinc-Nickel Black Finish



Qualified to MIL-DTL-24308, D-subminiature connectors from Positronic and Amphenol India offer one of the industry's most comprehensive lineups of QPL solutions, trusted by customers and supplied by Positronic.

As proven leaders in connector technology, both manufacturers deliver high-reliability solutions backed by decades of performance in mission-critical applications. These connectors feature solid machined pin and socket contacts in a compact, polarized D-shaped shell, providing higher contact density than comparable circular connectors. Ideal for aerospace, defense, and other demanding environments where weight, space, and reliability matter.

With offerings across multiple slash sheets—including M24308/1 through /8 and /23, /24—these connectors come in five standard shell sizes (1–5), supporting 9 to 78 contacts. Termination options include solder, crimp, and PC tail in magnetic and non-magnetic variants, with hardware accessories qualified to M24308/25 and /26.

Offered with competitive market pricing and responsive lead times, Positronic delivers the performance you expect—faster, easier, and from a single trusted source.

FEATURES

- Passivated Stainless Steel Variants - A Clean Alternative to Cadmium
- Zinc-Nickel Plated Variants with Non-Reflective Black Shells
- PCB: Straight or 90°
- Cable Terminations: Crimp or Solder Cup Contacts
- Classes G, N, M, and D

APPLICATIONS

- | | |
|-------------------|--------------------------------|
| ■ Defense | ■ Aircraft Power & Signal |
| ■ Mil-Aero | ■ Avionics & Instrumentation |
| ■ Satellites | ■ Communication Equipment |
| ■ Missile Systems | ■ Space, Launch & Installation |
| ■ Naval Equipment | ■ Vehicle & Ground Systems |



Positronic®
an Amphenol company

THE SCIENCE OF **CERTAINTY®**

M049 25/05

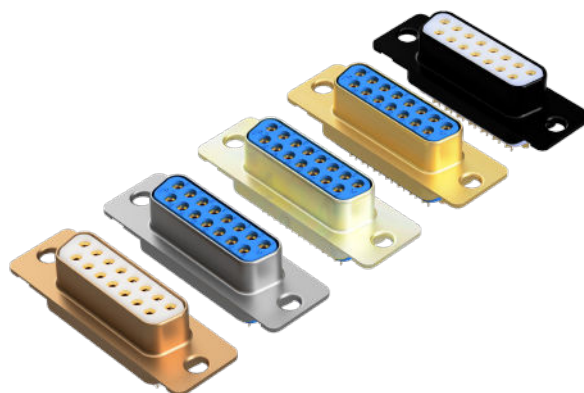
TECH SPECS

	Characteristics	Standard	High Density
Material	Shell	Stainless steel; brass; steel	
	Insulator	Glass-filled polyester (PBT) or diallyl phthalate (DAP), UL 94 V-0	
	Contact	Machined copper alloy	
Finish	Shell	Passivated, cadmium; zinc; zinc-nickel; gold; electroless nickel;	
	Contact	50 µin gold plating	
Electrical*	Current Rating	7.5A, fully-loaded	5A, fully-loaded
	DWV Rating, Sea Level	1000 V _{rms}	
	Contact Resistance	7.3 mΩ max (Standard); 4 mΩ Max (PosiBand)	15 mΩ max (Standard); 5 mΩ Max (PosiBand)
Mechanical	Mechanical Durability	500 cycles	
	Wire Gauge	AWG 20-24	AWG 22-28
Environmental	Operating Temperature	-55 to 125°C	
	Salt Spray	48 hrs	
	Damp Heat	10 days	

*prior to salt spray

CONNECTOR TYPE

M24308/1	Receptacle solder cup connector
M24308/3	Plug solder cup connector
M24308/5	Receptacle solder cup connector (with non-magnetic shell)
M24308/7	Plug solder cup connector (with non-magnetic shell)
M24308/2	Receptacle crimp type connector
M24308/4	Plug crimp type connector
M24308/6	Receptacle crimp type connector (with non-magnetic shell)
M24308/8	Plug crimp type connector (with non-magnetic shell)
M24308/23	Receptacle straight/right angle PCB tail connector (all shells)
M24308/24	Plug straight/right angle PCB tail (all shells)



FINISH

The M24308 specification defines four classes of finishes: General Purpose (Class G), Non-Magnetic (Class N), Non-Magnetic for Space Applications (Class M), and General Purpose for Space Applications (Class D).

Code	Finish Description	Class G	Class N	Class M	Class D
F	Cadmium	•	•		
Z	Zinc	•	•		
K	Zinc-nickel, non-reflective black	•			
P	Stainless steel, passivated	•	•		
None	Gold			•	
None	Electroless nickel				•

Contact Technical Sales for QPL M24308 connectors with PosiBand contacts.

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