Positronic®
an **Amphenol** company

CONNECTING HUMANITY TO OUTER SPACE

SPACE

Space has been a subject of fascination for humans for centuries. Studies and exploration have led to many scientific discoveries and technological advancements, including the development of satellite communication, GPS, and weather forecasting technologies. It is a challenging environment that requires specialized equipment and technology to explore.

Space connectors are essential components of electronic equipment used in space applications, whether on a spacecraft or a satellite. They are designed to meet the stringent requirements of space agencies such as NASA or the European Space Agency (ESA). Outgassing, residual magnetism, and other factors can adversely affect nearby components in space, so connectors must be designed to withstand harsh conditions.

Connectors allow easy transmission of power, data, and signals between different systems and environments in space, making exploration and scientific discoveries possible.

APPLICATIONS

- Satellites
- Instrumentation and Sensors
- Power Distribution
- Communication Systems
- Payload Integration
- Thermal Control Systems
- Data Storage and Transfer
- Mechanical Systems
- Telecommunication Infrastructure
- Avionics
- Robotic Systems
- Spacecraft
- Control Systems
- Launch Infrastructure
- Space Installations
- Manned Vehicles
- Unmanned Vehicles

FEATURES & BENEFITS

- Rugged designs withstand the harsh conditions of space
- Low outgassing prevents contamination and degradation of equipment and instruments
- Non-magnetic connectors preserve the accuracy, calibration, and reliability of sensitive instruments and electronic systems
- Vibration and shock resistance maintains secure connections
- EMI/RFI shielding protects sensitive electronics from external electromagnetic signals
- Rigorous testing and quality control meets or exceeds applicable material, dimensional, and performance requirements of NASA, Goddard S-311, MIL-DTL-24308 Class M, and/or the European Space Agency (ESA)

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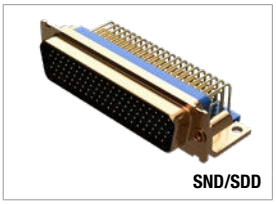
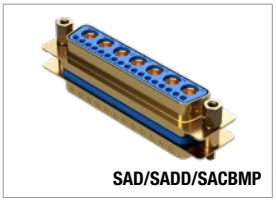
Positronic
Space Products

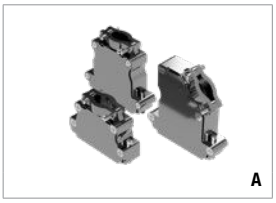
FEATURE	D-SUBMINIATURE										POWER & HYBRID	
	SND	SDD	SCBM SCBC	SCBDD SCBCD	MCD	MCDD	MCBX	SAD	SADD	SACBMP	SP	SM
Qualifications	Meets or exceeds performance requirements of GSFC S-311				Meets or exceeds performance requirements of MIL-DTL-24308			Meets or exceeds performance requirements of GSFC S-311				
#4 Contacts											•	
#8 Contacts			•	•			•			•	•	
#12 Contacts											•	•
#16 Contacts				•			•				•	•
#18 Contacts											•	•
#20 Contacts	•		•		•		•	•		•		
#22 Contacts		•		•		•	•		•	•	•	•
Solid machined contacs	•	•	•	•	•	•	•	•	•	•	•	•
Power and signal in a single connector			•	•			•			•	•	•
Modular connector with expandable envelope											•	•
Configurable layout											•	•
Integral blind mating											•	•
Metal shell	•	•	•	•	•	•	•	•	•	•	•	•
High voltage			•	•			•			•	•	•
Wire termination	•	•	•	•	•	•	•				•	•
PCB termination	•	•	•	•	•	•	•				•	•
Press-fit PCB contacts	•	•	•	•	•	•	•				•	•
First mate, last break											•	•
Venting											•	
Panel mount	•	•	•	•	•	•	•				•	•
Free cable	•	•	•	•	•	•	•				•	•


SND/SDD


SCBM/SCBC/ SCBDD/SCBCD


SAD/SADD/SACBMP


MCD/MCDD/MCBX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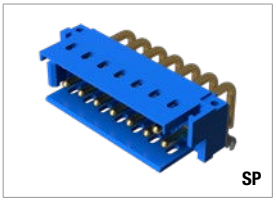
XR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