DATASHEET

Phillips Medisize
a molex company

EdgeStack Medical Connectors ›

Enabling innovative catheter designs, EdgeStack Medical Connectors deliver high-density, modular connectivity that reduces size, cost and development time. These connectors overcome the challenges of ensuring durability and high-density connectivity in compact medical devices by combining a protected contact interface with a modular, small-footprint design. A robust and low-cost disposable connector solution, EdgeStack connectors are ideal for improving device reliability and patient outcomes.

ADVANTAGES AND FEATURES

Provides a modular solution
Modules can be utilized in a customer-required shell, combined for various total contact configurations or functions, and modified as needed to minimize redesign costs and maximize time savings.

Enables design flexibility
Customizable solutions meet diverse application needs, enhancing design adaptability with multiple card edge configurations, including high-density signal and high-voltage contact designs.

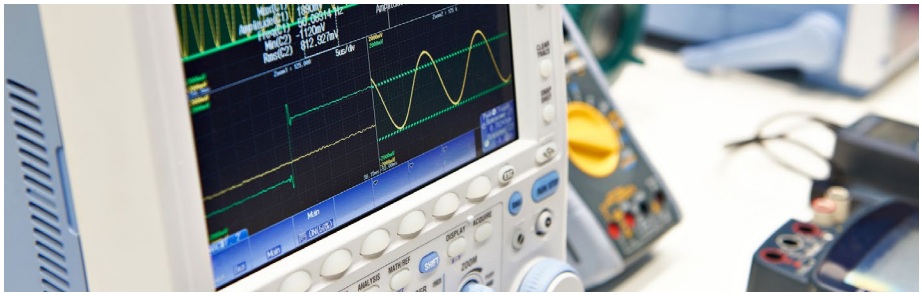
Current	0.5A
Durability	1,000 cycles
Operating Temperatures	-25 to +65°C

Provides cost savings
A low-cost, durable plastic shell and PCB mating enable mating side connector; also enable connectors to quickly adapt to their platforms, reducing tooling costs and shortening development timelines.

Ensures exceptional reliability and durability
EdgeStack connectors encapsulate the conductors within the PCB material, protecting the contact from damage or crushing during handling and use.

MARKETS AND APPLICATIONS

MedTech
Diagnostics/imaging devices
Electrophysiology (EP) catheters
Endoscopy devices
Ultrasound systems



EP Equipment

SPECIFICATIONS

Physical
Circuits Loaded: 16, 20, 24, 56
Operating Temperature Range: -25 to +65°C
Sterilization: Materials selected for autoclave

Electrical
Contact Resistance: < 2 milliohms
Low-Voltage Contacts: 42V DC
Current: 0.5A/contact

Mechanical
Insertion Force (max.): 8 lbf (configuration-dependent)
Durability: 1,000 cycles

www.molex.com

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