DATASHEET

Phillips Medisize
a molex company

TheraVolt Medical Connectors ›

By maintaining integrity through high mating and sterilization cycles, TheraVolt Medical Connectors ensure reliable device performance and operational efficiency for multiple therapy options. These circular medical connectors provide a flexible design that enables cross-platform compatibility, ensuring a seamless user experience. Additionally, TheraVolt Medical Connectors are customizable to meet diverse application demands and facilitate robust data transmission for connected medical devices.

ADVANTAGES AND FEATURES

Allows for design flexibility
High pin count allows customers to design medical devices with more functionality and increases accuracy.

Allows for powering advanced devices and improves design flexibility
High voltage creepage and clearance provide greater flexibility, integrating multiple functionalities and advanced features within a single unit.

Current	1.0A
Durability	1,000 Cycles
Operating Temperatures	-35 to +85°C

Maintains integrity and performance through stringent sterilization processes
This connector is crafted for durability and dependability, minimizing field failures; it withstands multiple autoclave cycles.

Increases longevity of capital equipment
The configurable insulator can be modified for a customer's specific pin count and electrical needs.

MARKETS AND APPLICATIONS

MedTech
Diagnostic equipment
Electrophysiology systems or equipment
Endoscopes
General medical equipment
Ultrasound equipment

Electrophysiology Equipment

SPECIFICATIONS

Physical
130 Pins
- 68: low voltage
- 62: high voltage

Operating Temperatures: -35 to +85°C
Sterilization: Materials selected for autoclave

Electrical
Contact Resistance: < 8 milliohms
Low-Voltage Contacts: 500V DC
High-Voltage Contacts: 2,200V DC
Current: 1.0A/pin

Mechanical
Insertion Force (max.): 53N
Durability: 1,000 cycles

www.molex.com

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