



Positronic[®]
an Amphenol company



MEDICAL

The medical industry is driven by precision, reliability, and the continual advancement of life-saving technologies. From diagnostic imaging and patient monitoring to surgical robotics and portable treatment devices, medical equipment must perform flawlessly in environments where failure is not an option. As healthcare evolves to support aging populations, personalized medicine, and increasingly mobile care delivery, the demand for compact, high-performance, and durable electronic systems continues to grow. Interconnect solutions are essential to this innovation, enabling the transmission of power, signal, and data between critical subsystems. In life-critical environments, connectors must deliver consistent electrical integrity, withstand repeated sterilization, and meet strict regulatory standards to support safe and effective patient care.

APPLICATIONS

- Interchangeable Battery Packs for Mobile Medical Devices
- Diagnostic Imaging Equipment
- Medical Scanners
- Ultrasound Systems
- Advanced Imaging Platforms
- Surgical Robotic Equipment
- Ablation Systems
- Ventilators and Respiratory Care Devices
- Pulse Oximeters and Blood O₂ Infusion Systems
- Mobilization Equipment and Accessories

FEATURES & BENEFITS

- Excellent power efficiency ensures minimal power loss and heat build-up
- Non-magnetic connectors preserve the accuracy, calibration, and reliability of sensitive instruments and electronic systems
- Machined contacts provide stable, durable performance during long life cycles
- Superior linear current density allows for more capability in smaller packaging and less weight
- EMI/RFI shielding protects sensitive electronics from external electromagnetic signals
- Exceptional performance-to-price ratio minimizes total cost of ownership

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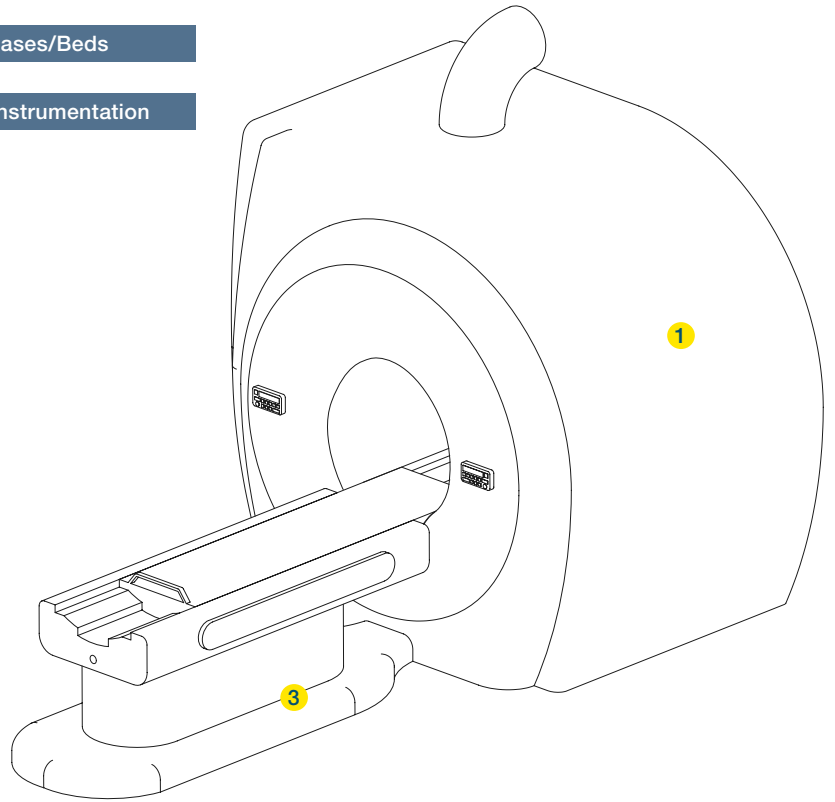
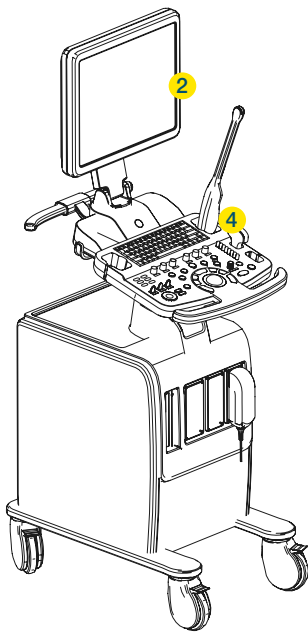
In modern medical environments, reliability and performance are essential to supporting safe and consistent healthcare system functions. Positronic products, ranging from high-performance power connectors to non-magnetic D-Subs, are used across a wide range of medical applications. These solutions help power interchangeable battery packs for mobile medical equipment, enable advanced imaging systems that require strict non-magnetic properties, and support surgical robotic equipment, ventilators, and other critical healthcare technologies. As medical systems continue to advance toward greater portability, digital integration, and minimally invasive approaches, robust interconnect solutions remain fundamental to ensuring system performance, continuity, and patient safety.

1 Imaging Equipment

3 Motorized Bases/Beds

2 Monitoring/Testing Equipment

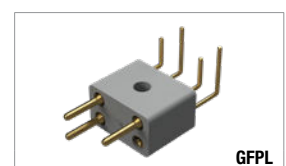
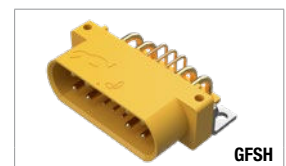
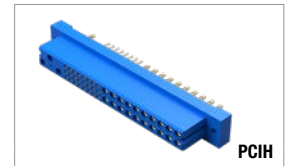
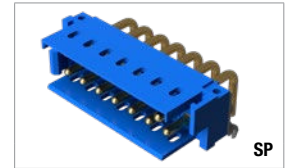
4 Diagnostic Instrumentation



	1	2	3	4
	Imaging Equipment	Monitoring/Testing Equipment	Motorized Bases/Beds	Diagnostic Instrumentation
Combo-D	•	•	•	
Compact Power	•	•	•	
D-Sub	•	•	•	•
Goldfish		•		•
Great Golden	•		•	
Infinity	•		•	
Rectangular	•	•	•	
Power Connection	•	•	•	
Low Profile Scorpion	•	•	•	•
Scorpion	•	•	•	•






* Applications listed are common use cases and not all-inclusive. For additional guidance, please contact Positronic Technical Sales.

FEATURE	POWER & HYBRID								D-SUB				RECT
	PLA PLB PLC	PLS	PCIH PCIA PCIB PCIC PCIM	GFSH	GG	SP	LSP	IP MIP MMIP	MD	ODD	CBC CBD	CBBD CBDD	GF GFPL
#0 Contacts					•								
#4 Contacts						•							
#8 Contacts					•	•		MIP			•	•	
#12 Contacts		•		•	•	•	•	•					
#16 Contacts	•		•	•	•	•	•	•				•	
#18 Contacts						•							
#20 Contacts				•	•		•	IP, MIP	•		•		•
#22 Contacts			•			•				•		•	
Solid machined contacts	•	•	•	•	•	•	•	•	•	•	•	•	•
Power and signal in a single connector			•	•	•	•	•	•			•	•	
Modular connector with expandable envelope						•	•						
Configurable layout					•	•	•						
Integral blind mating				•	•	•	•	•	•		•	•	
IP-rated													
Metal shell									•	•	•	•	
High voltage						•	•				•		
UL approved	•	•	•	•		•		•	•	•	•		•
Wire termination	•	•	•	•	•	•	•	•	•	•	•	CBDD	•
PCB termination	•	•	•	•		•	•	•	•	•	•	CBDD	•
Press-fit PCB contacts	•		•	•		•	•	•			•		
First mate, last break	•	•	•	•		•	•	•					
Venting						•	•						
Panel mount	•	•	•	•	•	•	•	•	•	•	•	CBDD	•
Free cable	•	•	•	•	•	•	•	•	•	•	•	CBDD	



• Applicable to all products
 Example: CBDD Applicable to select product lines

See connectpositronic.com/medical-connectors/ for all other related information including:

- ✓ **Footprints** 
- ✓ **Tooling** 
- ✓ **Product updates** 
- ✓ **Detailed dimensions** 
- ✓ **2D/3D drawings** 

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Products described within this catalog may be protected by one or more of the following US patents:

#4,900,261 #5,255,580 #5,329,697 #6,260,268
#6,835,079 #7,115,002 #8,944,697 #9,304,263

Patented in Canada, 1992 Other patents pending

Federal Supply Code for Manufacturers

Positronic Industries: 28198
Positronic Industries SAS: FA7Y0
Positronic Asia PTE LTD: QB952

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