Positronic®
an **Amphenol** company

IT & DATACOM

The IT and datacom market is the backbone of today's digital world, powering everything from cloud computing and data centers to network infrastructure and communication systems. As organizations across every industry rely on fast, secure, and uninterrupted data flow, the need for high-performance electronic systems has never been greater. This market demands components that deliver exceptional signal integrity, robust power distribution, and long-term reliability to support the exponential growth of data processing, storage, and transmission. Interconnect solutions play a vital role in enabling seamless connectivity among servers, switches, routers, and edge devices. With increasing pressures around bandwidth, energy efficiency, cybersecurity, and scalability, the IT and datacom market continues to evolve rapidly, driving innovation in connector technologies that support the next generation of digital transformation.

APPLICATIONS

- AC Power Input
- Power Shelves
- Networking
- Communications Systems

FEATURES & BENEFITS

- Excellent power efficiency ensures minimal power loss and heat build-up
- Machined contacts provide stable, durable performance during long life cycles
- Excellent linear current density allows for more capability in smaller packaging
- Modular tooling allows for customizable solutions with minimal NRE

OPEN Compute Project®

OCP ORV3 CONNECTORS
For approved part numbers and technical specifications, visit : https://www.connectpositronic.com/series/ocp-orv3/

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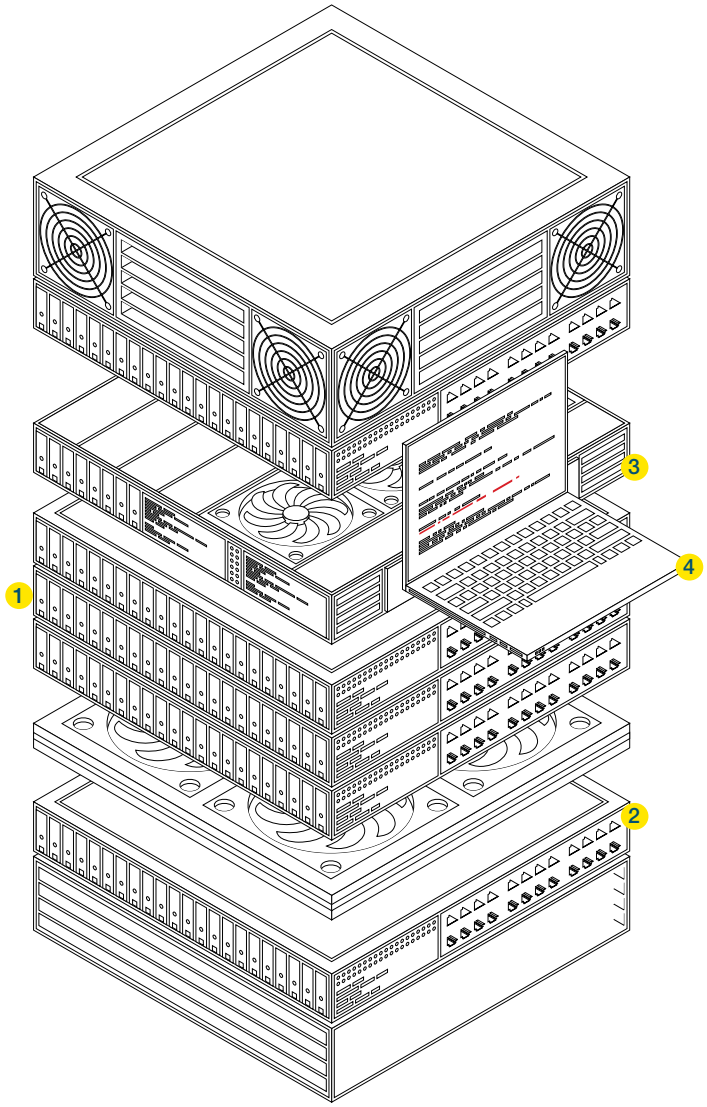
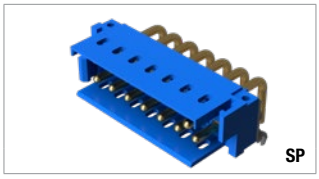
Cloud servers power the always-on digital services that businesses and consumers depend on every day. In these environments, reliability is essential because even brief interruptions can affect data access, performance, and customer experience. Server racks must support continuous operation, efficient power delivery, and dependable signal integrity to keep systems running smoothly under demanding workloads. Positronic connectors are part of the solution, helping enable secure, high-performance interconnects for server applications where durability and consistency matter most. As an OCP member, Positronic also supports open, scalable infrastructure for modern cloud server environments. With robust contact performance and modular design flexibility, Positronic helps maintain uptime, improve efficiency, and support reliable server operation.

1. AC Power Input
2. Power Shelves
3. Networking
4. Communications Systems



	1	2	3	4
	AC Power Input	Power Shelves	Networking	Communications Systems
Combo-D	•	•	•	•
Compact Power			•	•
GG	•	•		
Scorpion	•	•	•	•
Low Profile Scorpion		•	•	•

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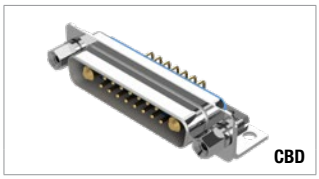
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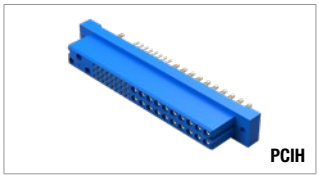
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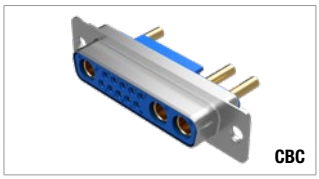
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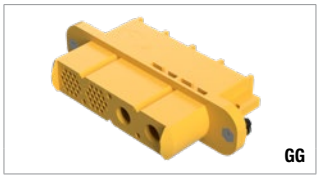
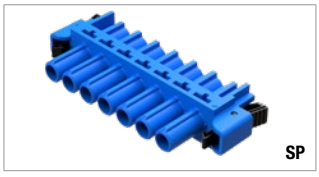

GG

LSP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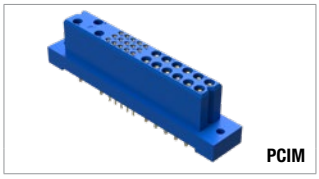
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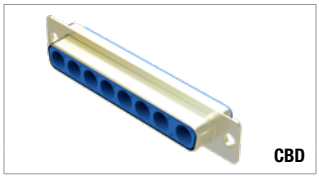
CBD

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

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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

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Positronic Industries SAS: FA7Y0
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