



Positronic®

# THE SCIENCE OF **CERTAINTY**®

**Product** Selection Guide

***Air Electro, Inc***

*Electrical Connectors, Contacts & Accessories*



Since 1966, Positronic has provided connector solutions to customers around the world. Positronic offers a wide variety of power, D-subminiature, circular and rectangular connector products and accessories. Our connectors feature precision machined contacts and can be provided to industrial, mil/aero or spaceflight performance levels to meet various target price points. Our products are used in all areas of the electronics industry from power supplies to advanced weapon systems.

## OUR **MARKETS**

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Aerospace & Defense	Off-Highway
Computing & Power Supplies	Oil, Gas & Energy
Rail & Mass Transit	Test & Instrumentation
Industrial	Automotive & EV
Medical	Consumer

## OUR **STRENGTHS**

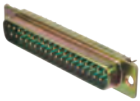
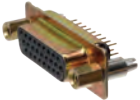




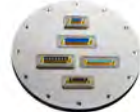
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Solid machined contacts  
Wide D-sub offering  
High-efficiency power connectors  
Rectangular connectors  
Custom connector development  
PosiBand contact technology  
Service and support




		POWER ONLY	POWER & SIGNAL	BLIND MATING	SIZE	IDEAL FOR
	<b>PANTHER</b> Rugged IP65/67/68/69K connector for use in rail, earth moving, battery and related applications	✓	✓		Medium to large	IP65/67/68/69K power and signal needs
	<b>GOLDFISH</b> A blind mating, low-profile power/signal connector with many options		✓	✓	Small to medium	Power supply and control
	<b>SCORPION</b> The most versatile power/signal connectors on the market	✓	✓	✓	Small to large	Unique power and signal needs
	<b>DRAGONFLY</b> An economical, miniature power/signal connector family	✓	✓		Small	Cost-sensitive, power and signal needs
	<b>POWER CONNECTION SYSTEM</b> Versatile power connectors utilizing size 16 contacts	✓		✓	Small to medium	Cost-effective, power hungry applications
	<b>GREAT GOLDEN</b> An extreme power connector capable of up to 200 amps per contact	✓	✓	✓	Large	Heavy duty, extreme power and signal control
	<b>COMPACT POWER</b> Plug-in power interface for CompactPCI and related platforms		✓		Small to large	Power supply and control, CompactPCI systems
	<b>ADVANCEDTCA</b> THE PICMG 3.0 AdvancedTCA Zone 1 connector of choice		✓	✓	Small	ATCA systems
	<b>INFINITY</b> Stellar blind mating, mixed density connector with robust housing	✓	✓	✓	Medium to large	Heavy duty power and signal needs
	<b>SAFETY SHROUD</b> Shrouded, touch-safe power connectors	✓			Medium	Touch-safe, high voltage applications
	<b>ECLIPSE</b> An innovative connector that combines machined power contacts with stamped signals		✓	✓	Small to medium	High-efficiency power supplies







## D-SUB

		#22 CONTACTS	#20 CONTACTS	#16 CONTACTS	#8 CONTACTS	M24308 & M39029	IDEAL FOR
	<b>STANDARD DENSITY</b> Standard density D-sub with size 20 machined contacts		✓			✓	General signal use for industrial, mil/aero and spaceflight
	<b>HIGH DENSITY</b> High density D-sub with size 22 machined contacts	✓				✓	General signal use for industrial, mil/aero and spaceflight
	<b>COMBO-D</b> Mixed density D-sub to mix power, signal, coax, high voltage and fiber optic	✓	✓	✓	✓		Power, signal, coax, high voltage and fiber optic needs
	<b>IP67 WATERPROOF</b> For applications requiring IP65/67 waterproofing characteristics	✓	✓				IP65/67 sealing requirements
	<b>DUAL PORT (STACKED)</b> Stacked right angle D-sub to save panel and board space	✓	✓		✓		Maximizing PCB space utilization
	<b>ADAPTER/SAVER</b> Help prevent unwanted wear during testing or act as gender changers	✓	✓		✓		Gender changing or connector saving
	<b>HERMETIC</b> Feedthroughs for vacuum applications	✓	✓	✓	✓		Hermetic sealing requirements

## RECTANGULAR

		#22 CONTACTS	#20 CONTACTS	#16 CONTACTS	M28748 & M39029	STACKABLE
	<b>MINI-RECTANGULAR</b> High density connectors for rack & panel or board-to-board applications	✓			✓	
	<b>RUGGED RACK &amp; PANEL</b> Robust connectors for rack & panel applications		✓	✓	✓	
	<b>SLIM POWER</b> Low-profile, stackable power connector		✓			✓

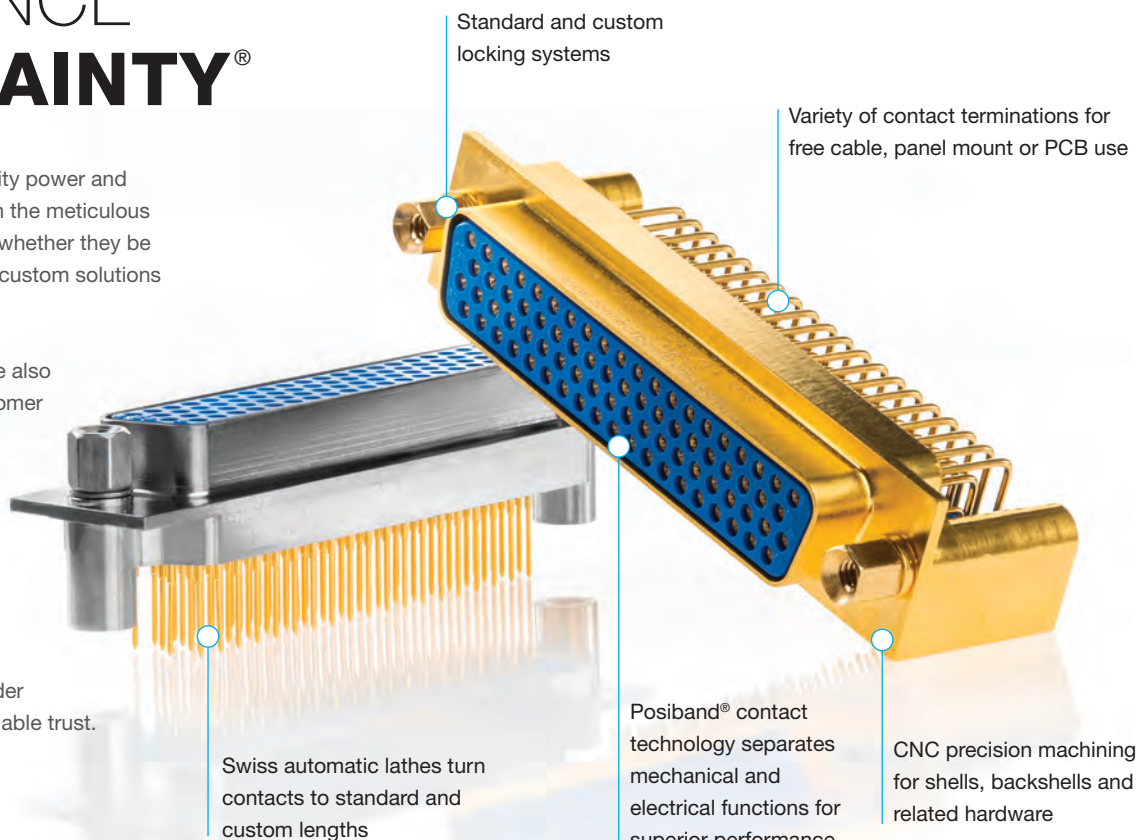
		POWER	SIGNAL	SIZE	SHELL	COUPLING NUT
	<b>TALON</b> Quarter-turn, metal high-reliability circular connector for power and signal use including GbE	✓	✓	Small to medium	Metal	Quarter-turn
	<b>BABY KING COBRA</b> Quarter-turn, economical circular connectors		✓	Small	Plastic	Quarter-turn
	<b>FRONT RUNNER</b> Size 11 and size 19 composite circular connectors	✓	✓	Medium to large	Plastic	Thread
	<b>CIRCULAR HEX</b> Circular hex connectors for legacy avionics applications		✓	Small to medium	Plastic	Optional locking ring

## THE SCIENCE OF CERTAINTY®

At Positronic, we build high reliability power and signal connectors. We take pride in the meticulous manufacture of those connectors, whether they be standard off-the-shelf products or custom solutions finely tuned to customer needs

Besides product innovation, we are also serious about building strong customer relationships based on mutual respect, benefit and value. We are looking to be partners on the same team. That is our vision.

Positronic offers rock solid, mission-critical performance upon which you can bank life and limb, family and fortune. We consider it an honor. We consider it an inviolable trust.



*This image is intended to represent a small cross-section of Positronic products and capabilities. For a full list of products, visit [www.connectpositronic.com/connectors](http://www.connectpositronic.com/connectors).*

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*Electrical Connectors, Contacts & Accessories*

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