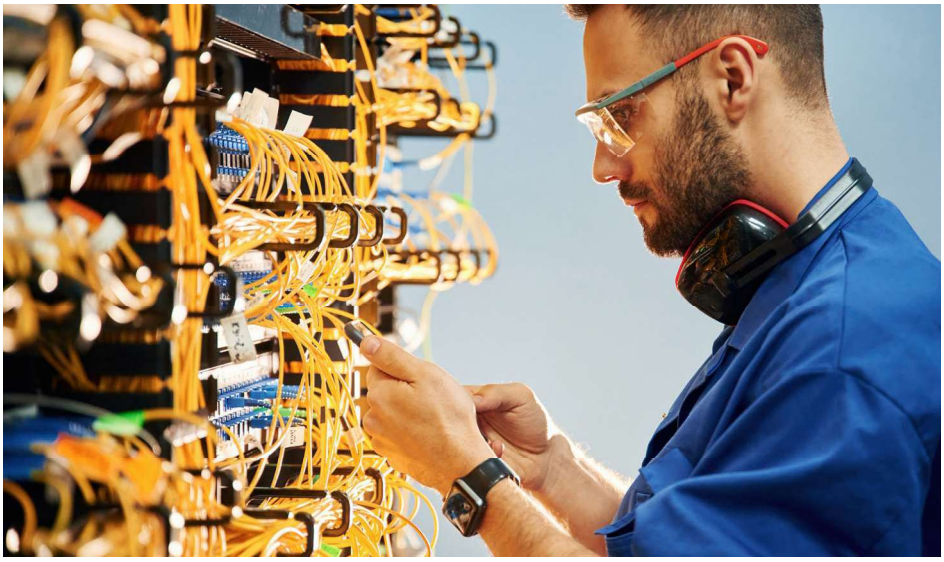

ICCON HIGH POWER PORTFOLIO

ICCON Block and ICCON Insert high power pin and socket products can offer flexibility for applications up to 480A. Easy installation with an optional floating feature allows ± 1mm radial misalignment when mating two printed circuit boards (PCBs) or busbars. This portfolio can provide low contact resistance and low power loss using our Crown Band Plus socket design.

SOCKET INSERT

FLEXIBLE DESIGN

- Made for high-power applications up to 480A
- Flexible and reliable connectivity

MULTIPLE APPLICATIONS

- Supports Surface Mount Technology (SMT) for adaptable PCB stack heights
- Robust busbar integration with press-fit fittings

CUSTOMIZABLE FEATURES

- Optional floating feature allows for ±1mm radial misalignment, simplifying PCB or busbar installation
- Multiple pin sizes supporting various mounting types

Non-Floating ICCON Socket Insert for PCB Applications

Mounting Type: SMT

Orientation: Vertical (top or bottom)

Floating ICCON Socket Insert for PCB Applications

Mounting Type: SMT

Orientation: Vertical (top or bottom)

Non-Floating ICCON Socket Insert for Busbar Applications

Mounting Type: Press-Fit / Knurl Joint

Orientation: Vertical (top or bottom)

Post size	Power	Part Number		
3.4mm	140A	2364360*	2388951*	2493669*
6.0mm	220A	2493668*	2492425*	2499574*
8.0mm	260A	2361371*	2396904*	2499575*
10.3mm	400A	2498566*	2459523*	2499576*
11.0mm	430A	2499232*	2456692*	2499577*
12.0mm	480A	2498918*	2495231*	2499578*

*Base part numbers shown. Visit the te.com website for the adders that define the full ordering part numbers.

ICCON PINS

DESIGN & SPACE EFFICIENCY

- Scalable designs that support orthogonal applications and solder mounting
- Compact design for PCB space savings

ELECTRICAL PERFORMANCE

- Up to 480A per pin
- Optional floating feature can provide ± 1mm floating in radial direction

EASE OF ASSEMBLY

- Tool-free installation simplifies assembly and removal
- Compatible with Pin-in-Paste reflow process

Diameter	Current	Dual-Head	Screw Mount	Press-fit / Knurl Joint	Solder-Mount	Vertical Press-Fit	Right-Angle
							
3.6mm	70A	-	2367217*	1-2367217*	2364359*	-	-
6.0mm	120A	-	2367477*	1-2367477*	-	2374528*	2493731*
8.0mm	200A	2361417*	2361493*	1-2361493*	-	2372674*	-
9.1mm	250A	-	-	-	-	2371617*	-
10.3mm	300A	-	2378176*	1-2378176*	-	2358714*	-
11.0mm	350A		2456691*		-	-	-
12.0mm	~400A	-	-	-	-	2406302*	-

*Base part numbers shown. Visit the te.com website for the adders that define the full ordering part numbers.

SOCKET BLOCK

FLEXIBLE HEIGHT OPTIONS

- Custom heights available with no additional tooling investment
- Supports optimized stack-up in tight system architectures, enabling efficient use of vertical space in dense power distribution designs

RELIABLE LOW-RESISTANCE CONNECTIONS

- Featuring upgraded high-performance Crown Band Plus contacts
- Designed to withstand repeated mating cycles, maintaining consistent electrical performance over time

MULTIPLE SIZING

- Series offered in multiple diameters supporting a wide range of power ratings and enables scalable system design without changing connector platforms
- Supports custom housing geometries to match unique PCB or busbar layouts without full custom connector development cycles
- Rigid block construction protects contact interface and maintains contact force under vibration or thermal cycling

	Orientation	Pin Size	Current Capacity	Part Number
	Right - Angle	8.0mm	200A	2491415*
		10.3mm	300A	2358715*
	Vertical (Top or bottom entry)	10.3mm	300A	2368390*

*Base part numbers shown. Visit the te.com website for the adders that define the full ordering part numbers.

ICCON POST

MULTI- FUNCTION POSTS

- Transfers power vertically
- Suitable for mezzanine power pin applications

MECHANICAL & STRUCTURAL BENEFITS

- Structural support between boards
- Balanced force distribution spreads mating and mechanical stresses evenly, reducing risk of PCB warpage or solder joint fatigue

DESIGN FLEXIBILITY & COST

- Easily customizable to meet specific design needs
- Cost-effective design

Mezzanine Post with Washers and Screws

Copper Diameter	Estimated Current	TE Part Numbers
4mm	85A	2521804*
5mm	105A	2521802*
6mm	150A	2509614*
12mm	400A	2502922*

*Base part numbers shown. Visit the te.com website for the adders that define the full ordering part numbers.

Additional Resources

Empowering AI & Data Center Connectivity
For next-gen speed, efficiency and reliability.

Connectivity Solutions Empowering the AI Evolution
Learn how TE is helping to empower the AI evolution with our robust portfolio of interconnect solutions.

WATCH THE VIDEO

The Evolution of Data Centers and the Future of Cooling and Connectivity
Explores how data centers are evolving to meet increasing power and cooling demands, with a focuson new design approaches and connectivity solutions.

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With the rise of generative AI, data centers have become a growing consumer of electricity.

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Thermal Performance
Design challenges for increasing computing performance in higher-power data racks while managing thermal performance.

READ THE TREND INSIGHT

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02-26