



Great Things Happen, When Cannon Connects

Leveraging over 100 years of interconnect expertise, ITT Cannon provides a broad portfolio of configurable solutions for harsh-environment and mission-critical applications, with customer-focused engineering at the core of everything we do.

Who is ITT Cannon?

From the invention of the Rack & Panel and D-Sub connectors to the latest miniaturized, high-speed products, ITT Cannon provides innovative interconnect solutions to customers around the world.

The experts at ITT Cannon partner every day with customers across diverse industries to solve complex interconnect challenges. From mission-critical soldier-worn systems to heavy equipment and transportation, as well as life-saving ultrasound devices, we deliver the reliable interconnect solutions our customers require.

With over one million connector configurations available, ITT Cannon offers an extensive range of qualified plating solutions, including Tin Zinc J, Zinc Nickel Blue Generation®, Cadmium, Nickel, Marine Bronze, Zinc Cobalt Black, and Epoxyurethane Varnish Black, enabling designers to optimize performance, corrosion resistance, shielding effectiveness, and environmental compliance across mission-critical applications.

WHY CANNON?

- Global capabilities backed by local support
- Expertise in mission-critical applications
- Over a century of interconnect leadership
- Specialized plating technologies for demanding environments
- Broad portfolio across MIL-Spec, Medical, Industrial, and Space-grade markets



INDUSTRIAL

EMERGENCY POWER SYSTEMS
AUTOMATION EQUIPMENT
LIGHTING | FACILITY
POWER JUNCTION BOXES
TEST & MEASUREMENT



TRANSPORTATION

RAILWAY SYSTEMS | BOGIES
INTER-VEHICLES | POWER SYSTEMS
PUMPS | ENGINES | DISPLAYS
ELECTRIC VEHICLES | EV STATIONS
CONSTRUCTION EQUIPMENT



AEROSPACE / DEFENSE

AVIONICS | WEAPONS | IMAGING
SPACE | UNMANNED SYSTEMS
APUs | COMMUNICATION | IFE
GROUND SUPPORT VEHICLES
SOLDIER WEARABLE | ENGINES



WEARABLES/MEDICAL

TEST EQUIPMENT | WEARABLE DEVICES
WIRELESS HANDHELD
ULTRASOUND DIAGNOSTICS
MRI | CT SCAN/X-RAY
PORTABLE MEDICAL EQUIPMENT

New Product Solutions



MKJ Series

- High-density, miniature footprint with 6 coupling options
- High-Speed, combo and hermetic layouts
- GOSSRA, NATO STANAG 4695, Nett Warrior qualified & DDP/Picatinny CLIK



BVM Series

- Up to IP68 sealing
- 2 to 8-way layouts
- Bayonet and threaded coupling variants
- Quick and simple to install



Low-Profile Pogo Pad Interconnects

- High-density, pogo pad solutions with magnetic, breakaway, spring probe or screw-lock coupling designs
- High-mating systems & sealing level



Fiber Optic Connectors

- Termini, ferrule, savers and cable assemblies integrations in M29504, D38999, M28876, Jewel, NGCON, DSUB, Micro, PHD, and ARINC



C5 Warrior Series

- 4X smaller than D38999
- USB-C Power, HDMI
- DisplayPort, 10 Gbps Ethernet
- 5A/100W Power Delivery



Trident High Speed Series

- Data, power and signal in the same connector
- High-speed data up to 56 Gbps
- Circular and rectangular variants
- Up to IP69k sealing

Featured Product Series



APD Series

- 1 to 51-way layouts
- Fully plastic connector
- High power & high voltage
- Sealing: IP67 / IP69K



CA Bayonet Series

- 1 to 140 contact arrangements
- Shell size #10SL to #36
- Reverse bayonet up to IP69K
- RoHS, REACH, Cad-free Plating



CA Threaded / 5015

- 5 polarizations
- Individual wire sealing grommet
- RoHS compliant options
- MIL-DTL 5015 (SAE-AS50151)



HDx™ Series

- High-Density, small form factor
- High speed data - USB® 3.1 Gen1 up to 5Gbit/s, Ethernet up to 10Gbit/s, HDMI® up to 8.16Gbit/s



High Speed Termini

- Quadrax, OctoGig™, RF, Twinax, Fiber, HDMI, USB 3.0
- Rapid data from Cat5 to Gb Ethernet to HDMI



KJ Series (38999-style)

- High contact density pin count
- Dual Flange & COTS Panel Mounts
- Fiber Optic, Hermetic, Filter, OctoGig, Twinax, & Quadrax layouts



KP Series

- 10 shell size, with up to 40 layouts from 2 to 61 contacts
- Sealing up to IP67
- VG95238 & MIL-DTL-26482
- Hermetic / glass-sealed version available



Nemesis Series

- 20+ meter sealing
- Dual coupling or Breakaway
- Power, signal & data
- Blind mating design



PowerLock™ Series

- 450A & 800A continuous current ratings
- 1000VAC / 1000VDC
- Color coded and keyed



Plastic Push Pull

- Available in 2 to 14 way variants
- Self-latching mechanism
- Medical grade quality
- 6 keying and 7 color coding options



SLC/CLC Series

- Up to 15 Contacts
- Snap-lock / Clip coupling system
- Operating Voltage up to 300 V AC
- Sealing to IP68



Trident Series

- Plastic & shielded metal variants
- Mixed power and signal layouts
- Sealing up to IP67
- All ranges meet UL 94 V-0



Veam CIR/FRCIR

- 1-159 contacts up to 350A
- RoHS or Reach plating
- Per EN 45545-2 NFPA 130
- Power, signal, fiber, or high-speed



Veam VBN Series

- 15 shell sizes with 4 up to 70 contacts
- Based on MIL-DTL-5015G & VG95234
- Flame retardant & low smoke emissions



ARINC Rack & Panel

- ARINC 404 and 600, blind mate with 1, 3, 4, & 6 gang configurations.
- Crimp, Quadrax, OctoGig, power, PCB & wire wrappable post contacts.



CTC Series

- 8-way to 24-way layouts
- Simple to install and maintain
- Hand insertable contacts
- Up to IP69K with positive locking



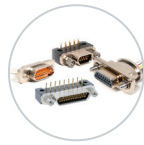
DL ZIF Series

- High pin count: 60-360 layouts
- Resilient contact with wiping action directly onto PCB pad
- Min. 10,000 mating cycles



D-Sub Series

- Mixed Signal / Power, M24308, Crimp, Solder, PC Tail, Double Density, Filter / Hermetic
- Up to 104 contacts
- Complementary Aluminum Backshells



Micro Series

- High temp Up to 230°C
- Low profile config. available
- Vertical Mount, integrated backshells
- Mixed power, coax and signal layouts & M83513



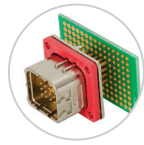
Nano Series

- PCB or Cabling with 9-51 contacts
- 0.025" contact spacing
- 1 amp contact rating



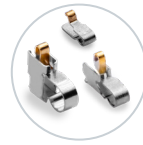
QLC Series

- Min. 20,000 mating cycles
- High pin count: 60-440 layouts
- Single handed locking and actuation
- EMI/RFI shielding



RPR Series (EN4165-style)

- ARINC 809-compatible
- Precision PCB tail alignment
- Front release, rear removable insert
- Straight and right angle contacts



Universal Contact

- 0.3N contact force / 0.1mm of deflection
- Surface Mount contact 1.3-4.6mm
- Low contact resistance

From end-to-end fiber optic harnesses and hermetically sealed interconnects for avionics systems to vibration-resistant power connectors for engines and chassis, ITT Cannon offers a proven portfolio of off-the-shelf and customized solutions, including:

High-Speed and Voltage Termini | RoHS and REACH Plating | Filter and Hermetically Sealed | Cable Assembly

Connect with your ITT Cannon representative today or visit us at ittcannon.com

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