



Interconnect Solutions for Unmanned Systems

Reliability, innovation, and highly engineered collectively describe Cannon's high reliability, miniaturized interconnect solutions.

Capable

ITT's Cannon brand has a well known history of delivering high quality interconnect solutions for a wide variety of defense applications. This history coupled with extensive engineering & testing resources has established ITT Cannon as one of the premier providers in the industry.

Qualification

Cannon is a global supplier of interconnect solutions that are designed to be comparable to specifications for aerospace and military.

Ready

Cannon has you covered with both custom solutions as well as a full line of high reliability industry standard connectors including; circular, rectangular, filtered, fiber-optic, miniaturized, nano, high bandwidth data and RF.

Recognized

ITT Cannon continues to be recognized for small form factor, high reliability interconnect solutions.



The Cannon Difference:

- Leading edge technology
- Proven reliability
- On time design, development & delivery
- Lower technical & financial risk
- Program life cycle technical design support
- Business partner
- Responsive to your needs

Key Features:

- Ruggedized
- Small form factor
- Lightweight
- High reliability and performance
- Low profile
- High temperature
- Custom solutions

Applications



AEROSPACE

GPS | IMAGING | POWER
TRANSMISSION | COMMUNICATION
EMI TOLERANT CONNECTION



SHIPBOARD SYSTEMS

POWER TRANSMISSION ENGINE
CONTROL | ACTUATION CONTROL



GROUND SUPPORT

SOLDIER WEARABLE
RF COMMUNICATION | GPS



TEST EQUIPMENT

PORTABLE TEST EQUIPMENT
DIAGNOSTICS TOOLS

High Reliability Connector

KJB D38999-STYLE: Aluminum & Composite



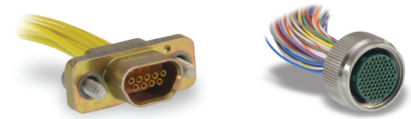
- High Density #22 signal contacts
- Up to 99 contact positions
- Combination Arrangements Power Contacts to 40 amps RF contacts
- High speed ethernet contacts Fiber Optics

Combo D-Sub



- Up to 104 contact positions
- Power contacts to 70 Amps
- High Voltage contacts to 700 VDC
- Standard, high density, double density versions
- RF to 18 GHz
- High bandwidth ethernet contacts

Micro Connectors



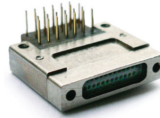
- Micro Density 1,27mm (.050") pitch #26 contacts
- 3 amp/contact current rating
- 7 to 85 position versions available
- Stainless and aluminum shell
- Rear grommet stress relief
- Cable assemblies available

Nemesis



- High Reliability
- Lightweight
- Higher Production Yields
- RoHS compliant 500 hour salt spray non-reflective plating finish
- Canted spring technology providing a full 360° of EMI protection.

Nano-D Connectors



- Ultra high density 0,63mm Pitch
- Ultra lightweight
- 1 amp contact current rating
- 9 to 51 position layouts
- High operating temperature limit of 200°C

Filter: Chip on Flex (CoF)



- High Reliability
- Lightweight
- Higher Production Yields
- Custom Signal Failures
- Increased Thermal Stability

Miniature D38999 (MKJ)



- High density 2mm (.078") pitch
- Rear Release #23 Snap-in Contacts
- Superior shielding of 50 dB at 1.0 GHz
- Rear grommet stress relief & sealing
- 4 to 85 contacts per connector @ 5-13 amps/contact

Quadrax



- Characteristic impedance 100 ohms
- A size 8 multi-pin contact providing four signal pins to yield a single Ethernet port
- Available in rear release, crimp, and front release PCB versions
- Straight plug, jam nut box mount, flange mount, & thru-bulkhead

Fiber Optics



- Single Mode/Multi-Mode
- High density layouts
- Available in standard & custom connector styles
- D-Subminiature PhD
- KJ/38999G-Style PhD
- Cable assemblies

ITT is a focused multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions.

ITT's Cannon brand is a leading global manufacturer of connector products serving international customers in the aerospace and defense, industrial and medical end markets. We design and engineer a variety of interconnect solutions that make it possible to transfer data, signal and power in an increasingly connected world.

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

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