



OctoGig™

An ultra-high speed, 10 Gb Ethernet connector for commercial aviation, military aircraft and marine applications, OctoGig is smaller, lighter, easier to install and offers significant increases in data transfer rates compared to existing solutions on the market.

The challenge

Today's data-intensive mission requirements for video and audio are pushing the need for more advanced, higher speed data transfer, especially in commercial aviation, military aircraft and marine applications. But the majority of today's commercially available interconnects will not survive in the harsh environments in which most aircraft and marine vehicles operate, creating a need for interconnect solutions that transmit data quickly, accurately and in the most extreme conditions, when data integrity and reliability are essential.

The solution

ITT Cannon's OctoGig Ultra High Speed, 10 Gb Ethernet solution is an innovative, lightweight and cost-effective alternative. A high-bandwidth data connector that offers a tenfold increase in transfer rates compared to existing solutions, the eight-conductor termini's reduced size and weight, ease of installation and transfer rates to 10 Gbps allow for higher-performance and cost-efficiency.

The CANNON Difference:

- Ideal for a wide range of high-speed Ethernet applications
- Durable and reliable even in the harshest environments
- Leading-edge technology
- Lower technical & financial risk
- Program lifecycle technical and design support
- A business partner responsive to your needs

Features:

- Small, lightweight and easy to install
- Fully tested at 10 Gb data rates
- Suitable for use with Cat 7 Cable
- Uses standard Size 22 contacts with standard tooling
- Available in popular rectangular ARINC 600 and circular 38999-Style Connectors
- Single termini solution for 10 Gb data transfer over copper



Applications



COMMERCIAL AVIATION

IN-FLIGHT ENTERTAINMENT &
NAVIGATION SYSTEMS



MILITARY AIRCRAFT

NAVIGATION, RADAR, IMAGING &
SENSING SYSTEMS, SURVEILLANCE



MARINE VESSELS

NAVIGATION, RADAR,
SURVEILLANCE SYSTEMS



MILITARY VEHICLES

NAVIGATION SYSTEMS

How to Order



OctoGig™ Ultra-High Speed, 10 Gb Ethernet Connector Offering

ARINC 600 BKA OctoGig BKARD2-G005-30001

3	Plug
4	Receptacle

Layouts
G005
G153
G252
G301

Cav A	Cav B	Cav C
2G2*	2G2	1G1*
150	2G2	1G1
150	2G2	100
150	150	1G1

* 2G2 has 2 OctoGig termini per insert, 1G1 has one OctoGig terminus per insert

Series III 38999-Style KJB OctoGig

Crimp Version

KJB0T15F1G1PN

P	Pin crimp contact
S	Socket crimp contact
0	Wall Mount Receptacle
6	Straight Plug
7	Jam Nut Receptacle

PCB Version

KJB0T15F1G1PN1

Wall Mount Receptacle w/ rear thread

KJB4T15F1G1PN1

Jam Nut Receptacle w/o rear thread

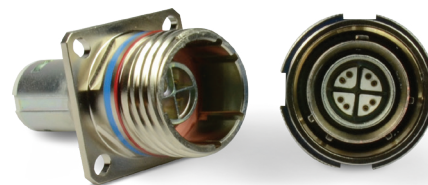
1 - .150 Solder Post Extension

Please consult Customer Service if additional modifications are required.

Individual crimp contacts may be purchased separately, please order part number 908-2002-951 for pin contacts and part number 980-2002-952 for socket contacts.



ARINC 600 BKA OctoGig™



KJB Series III 38999 OctoGig™



Why ITT

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 aerospace, defense, medical, industrial and transportation end markets. ITT's Connector business, which also includes the Veam and BIW Connector Systems brand, manufactures and supplies a variety of connectors and interconnects that make it possible to transfer data, signal and power in an increasingly connected world.

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