



## OctoGig™

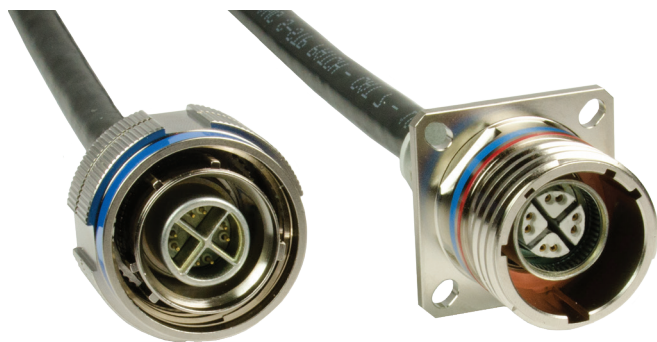
An ultra-high speed, 10 Gb Ethernet connector for commercial aviation, military aircraft and marine applications, OctoGig is smaller, lighter, easier to install and offers significant increases in data transfer rates compared to existing solutions on the market.

### 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 new 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 6A & 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



**SHIPBOARD SYSTEMS**  
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

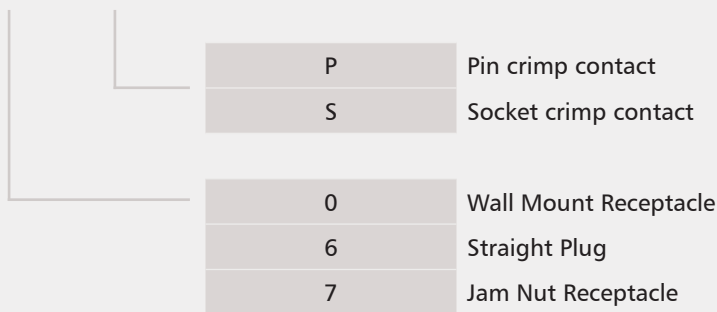


Layouts	Cav A	Cav B	Cav C
G005	2G2*	2G2	1G1*
G153	150	2G2	1G1
G252	150	2G2	100
G301	150	150	1G1

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

### Series III 38999-Style KJB OctoGig

#### Crimp Version KJB0T15F1G1PN



#### PCB Version

#### KJB2T15F1G1PN1

Box Mount Receptacle without rear thread

#### KJB4T15F1G1PN1

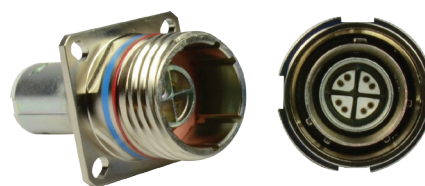
Jam Nut Receptacle without rear thread

1 - .150 Solder Post Extension

Please consult Customer Service if additional modifications are required.



ARINC 600 BKA OctoGig™



KJB Series III 38999-Style OctoGig™



## Why ITT

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

ITT Cannon 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 [www.ittcannon.com](http://www.ittcannon.com)

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