ETHERNET-READY HIGH-SPEED INSUSTRIAL-STRENGTH

Octobyte™

The faster ruggedized 4/8 pole interconnect system for Ethernet data applications

Glenair series ITH connectors with Ethernet-ready Octobyte™ contacts are available for harsh-environment mass transit applications that depend on sealed environmental (IP67) connector performance. Octobyte contacts, packaged in ruggedized ITH reverse-bayonet connectors, deliver both dedicated Ethernet datalink as well as mixed serial databus and power for high-speed data applications

Octobyte™ contacts are vibration resistant and designed to work with Ethernet cables from CAT 5 to CAT 7A, MVB-WTB, and RG58 Coax. Reverse-bayonet ITH series connectors with Octobyte™ contacts are easy and fast to assemble and deliver reliable locking performance in severe vibration and shock applications.

- ■ **For harsh-environment transit, industrial, or marine/subsea applications**
- ■ **RF Coax applications (RG58 and RG59U cables)**
- ■ **High-speed interconnect solution for audio, video, and digital displays**
- ■ **Qualified for use in safety systems, sensors, detection devices, and control panels**
- ■ **Tested in accordance with: ISO F0 STP: CAT 7A EN50173-1 F600-STP: CAT 7 EN50173-1 D STP: CAT 5E**

Tested for compliance IAW EN50173-1 standards for CAT5E and CAT7.
Proven performance in numerous rail applications (consult factory for references)

OCTOBYTE CONTACTS FOR ETHERNET CAT 5 · CAT 6 · CAT 7 · COAX · MVB-WBT

How To Order Octobyte contacts									
Sample Part Number		Q	0	8	P	-A	B1	-XXX	-7A
Product Series	Octobyte contacts								
Contact Size	**0** = contact size 0								
Number of Contacts	**8** = 8 poles **4** = 4 poles **CX** = Coax								
Contact Gender	**P** = Male **S** = Female								
Cable O.D. Range/ Coax Cable Type	**A** = O.D. 6–7 **B** = O.D. 7–8 **C** = O.D. 8–9 **RG58** = 50 Ohm **RG59U** = 75 Ohm [Coax only]								
Plating	**B1** = gold plating								
Alternative Color (Cat 7A only)	**G14** = Black **G14GN** = Green **G14GY** = Grey **G14R** = Red **G14Y** = Yellow **Omit** for standard								
Ethernet	**7A** = Cat 7A **AD** = Ethernet MVB - WBT Contacts **Omit** for Cat 5								

CAT 5 · CAT 5E · CAT 6 · CAT 6A   RG58

CAT 6A · CAT 7 · CAT 7A   MVB - WTB

SERIES ITH CONNECTORS FOR OCTOBYTE CONTACTS

Reverse bayonet-lock connectors

Rugged environmental performance — the perfect Octobyte packaging solution

Dozens of contact arrangements available including hybrid Octobyte, power, and signal.

- Rugged MIL-DTL-5015 type design with fast reverse bayonet coupling
- Rigid dielectric inserts with contact retention clips
- Positive lock technology provides reliable vibration and shock resistance
- Proven performance in even the most rugged applications
- Conforms to the European VG 95234 standard, French (NFF 61030) and British (BS 6853) electrical standards and EEC compliance directives
- Threaded coupling version available, contact factory for ordering information
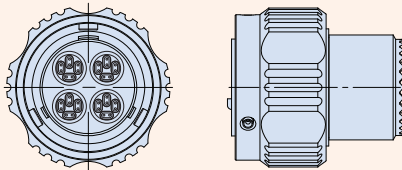
Ethernet-ready Octobyte solutions for rail and transit applications are available as discrete contacts, packaged in rugged reverse-bayonet ITH series connectors, or as turnkey inside-the-box or environmental cable assemblies, tested and ready for immediate use.
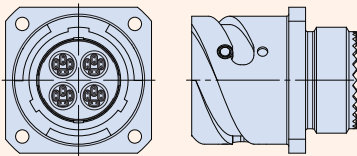
Available flop-lid protective cover

RadGrip rubber-covered coupling nuts available in a wide range of colors including safety red

The faster ruggedized Ethernet interconnect solution

How to order - Super ITS-ITH Octobyte connectors

SUPER ITS - ITH OCTOBYTE CONNECTORS

Precision machined connectors with 4/8 pole Octobyte contacts provide high-speed Ethernet connectivity for extreme environmental exposure and corrosion resistance typically needed in rail, mining, and other industrial applications. Convenient reverse bayonet mating provides easy intermateability while the locking three pin bayonet coupler prevents the connector from demating under high shock and high vibration conditions. Accessory thread for attachment of backshells and adapters.

03 - Plug

030 - Rear Panel Mount Wall Mount Receptacle

How To Order									
Sample Part Number:	**ITH**	**030**	**A**	**5C**	**32Q4**	**S**	**BØ**	**NØ**	**F6**
Series	ITH								
Contact Size	**030** = Rear Panel Mount Wall Mount Receptacle **06** = Straight Plug								
Environmental	**A** = Non environmental **R** = Environmental								
Number of Keys	**5C** = 5 keys								
Insert Arrangements	**18-Q1, 32-Q4, 36-Q5, 40-Q7**								
Contact Gender	**P** = Pin contacts (male) **S** = Socket contacts (female)								
Connector less contact	**BØ** = contact not supplied (order the contact separately)								
Accessory	**NØ** = without Backshell. Please consult the factory								
Plating	**F6** = Electrodeposited black paint (cataphoresis), RoHS compliant **F7** = Black Zinc Nickel, RoHS compliant								

FRONT VIEW RECEPTACLE CONNECTORS

18-Q1

32-Q4

36-Q5

40-Q7

OCTOBYTE™
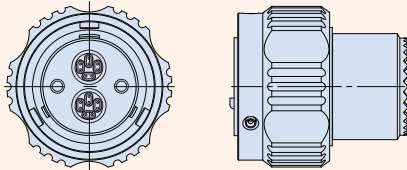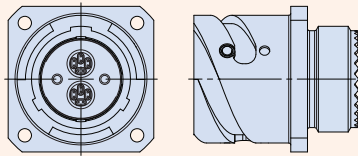# The faster ruggedized Ethernet interconnect solution
How to order - Super ITS-ITH Octobyte connectors

03 - Plug

030 - Rear Panel Mount Wall Mount Receptacle

SERIES ITS - ITH OCTOBYTE CONNECTORS

Precision machined connectors with 4/8 pole Octobyte, high-speed Ethernet contacts and power contacts provide both network connectivity and power distribution in one connector. Designed for extreme environmental exposure and corrosion resistance typically needed in rail, mining, and other industrial applications. Convenient reverse bayonet mating provides easy intermateability while the locking three pin bayonet coupler prevents the connector from demating under high shock and high vibration conditions. Accessory thread for attachment of backshells and adapters.

How To Order									
Sample Part Number:	**ITH**	**030**	**A**	**5C**	**28-0B4**	**S**	**BØ**	**NØ**	**F6**
Series	ITH								
Contact Size	030 = Rear Panel Mount Wall Mount Receptacle 06 = Straight Plug								
Environmental	A = Non environmental R = Environmental								
Number of Keys	5C = 5 keys								
Insert Arrangements	28-0B4, 36-OB7								
Contact Gender	P = Pin contacts (male) S = Socket contacts (female)								
Connector less contact	BØ = contact not supplied (order the contact separately)								
Accessory	NØ = without Backshell. Please consult the factory								
Plating	F6 = Electrodeposited black paint (cataphoresis), RoHS compliant F7 = Black Zinc Nickel, RoHS compliant								

FRONT VIEW PLUG CONNECTORS

28-OB4
2 OCTOBYTE
2 SIZE 8 CONTACTS

36-OB7
3 OCTOBYTE
4 SIZE 8 CONTACTS