



MIL-DTL-5015 Type Reverse Bayonet Coupling (Series ITH) Quadrax Connector

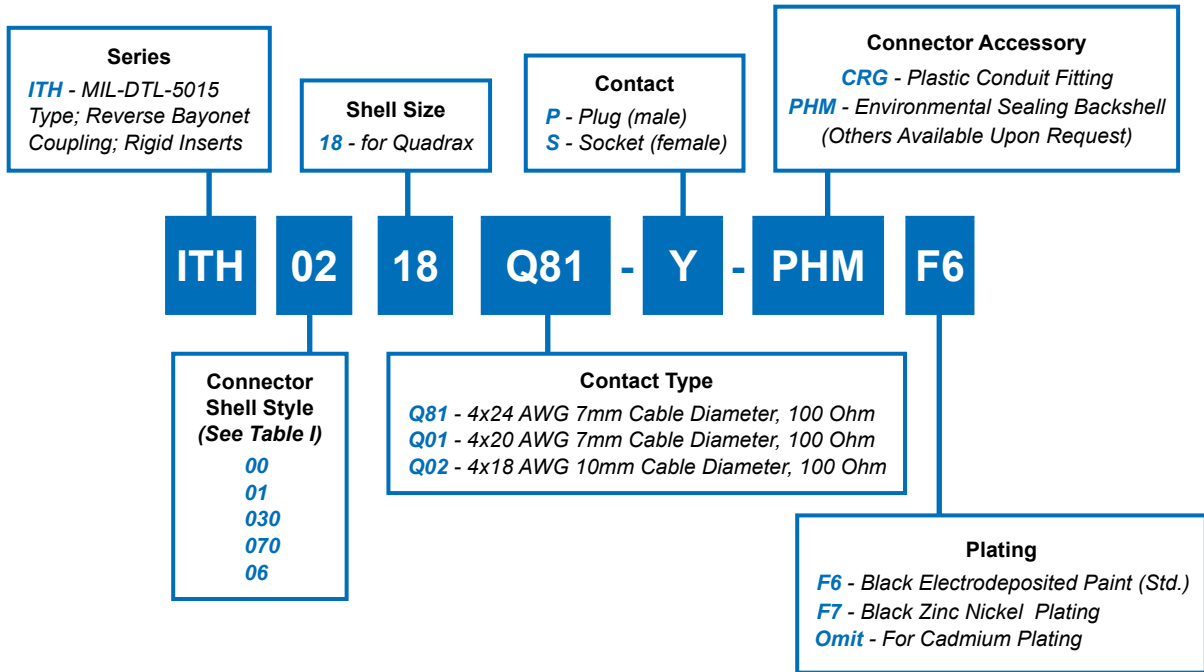


Figure 1
Receptacle (Front)



Figure 2
Plug (Front)

MIL-DTL-5015 Type Reverse Bayonet Coupling (Series ITH) Quadrax Connector



TABLE I

**Connector Shell
Detailed Description**

00 - Front Panel Mount
Square Flange Receptacle
with Accessory Threads

01 - In Line Cylindrical
Receptacle with Accessory
Threads

030 - Rear Panel Mount
Square Flange Receptacle
with Accessory Threads

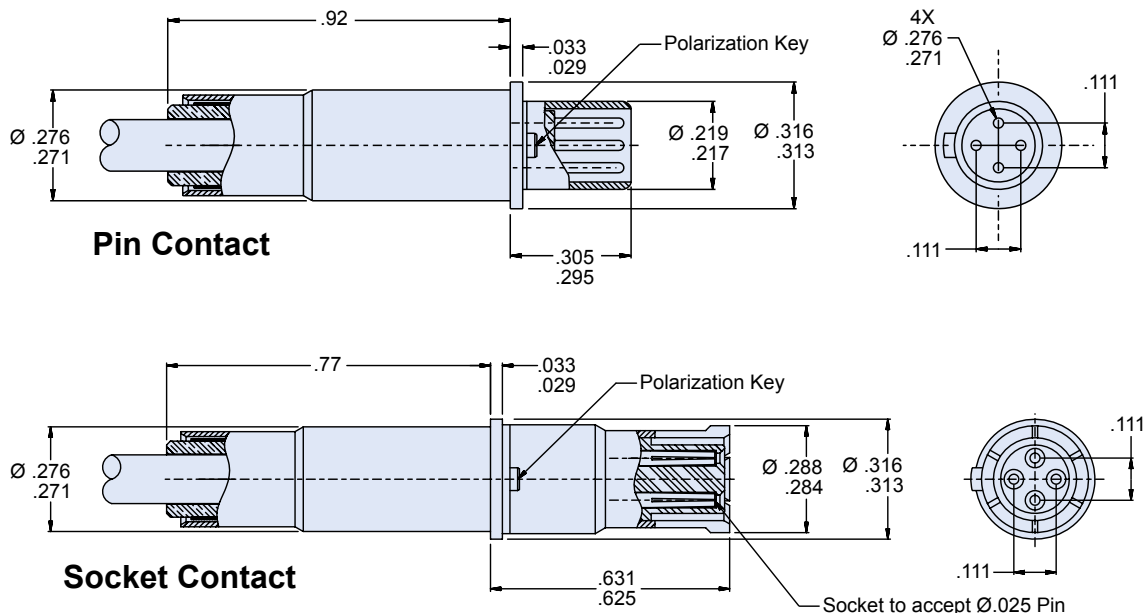
070 - Rear Panel Mount
Jam Nut Receptacle with
Accessory Threads

06 - Straight Cylindrical Plug
Connector with Accessory
Threads

High Speed quadrax connectors offer a host of data transmission benefits, but are often hamstrung by their lack of environmental sealing and durability. Glenair recognized this and created a high speed quadrax contact housed within a rugged ITH series reverse bayonet 5015 type connector. Users can now satisfy their high speed data transmission needs with the reliability of an environmentally sealed and backshell compatible connection system. The ITH Gigastar connector is available with three different contacts and black electrodeposited and black zinc nickel plating options. Cadmium plating is also available.

TECHNICAL CHARACTERISTICS	
Suitable for cables equivalent to CAT. 5	
Attenuation	.3 dB @ 100MHz (typical per contact pair)
Crosstalk	≥40 dB @ 100 MHz (typical)
Max Contact Resistance	15 mΩ
Characteristic Impedance	150 Ω (100 MHz - 1 GHz)
Working Temperature	-40° C to +100° C
Environmental Rating	IP67 (mated)
Contacts	Q81 - 4x24 AWG 7mm Cable Diameter, 100 Ohm Q01 - 4x20 AWG 7mm Cable Diameter, 100 Ohm Q02 - 4x18 AWG 10mm Cable Diameter, 100 Ohm

QUADRAX CONTACTS

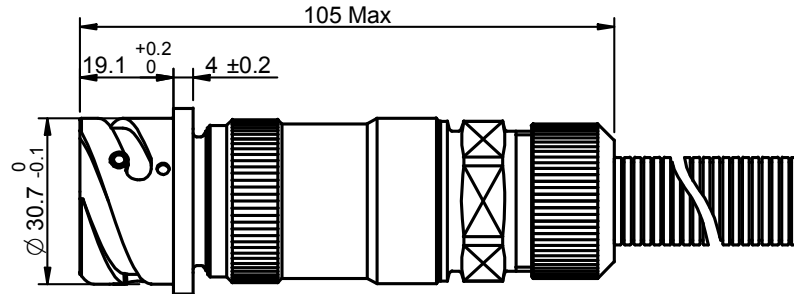
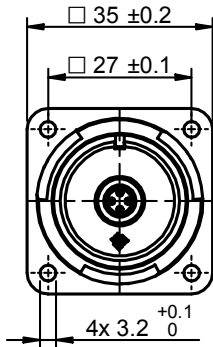




MIL-DTL-5015 Type Reverse Bayonet Coupling
(Series ITH)
Quadrx Connector

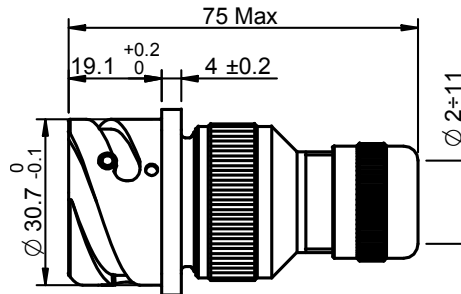
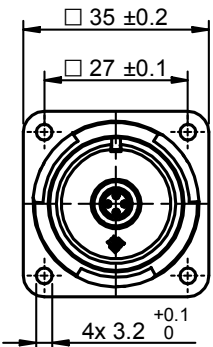
CONFIGURATIONS AVAILABLE : ITH 00

Front View



ITH0018QXX-Y-CRGF6

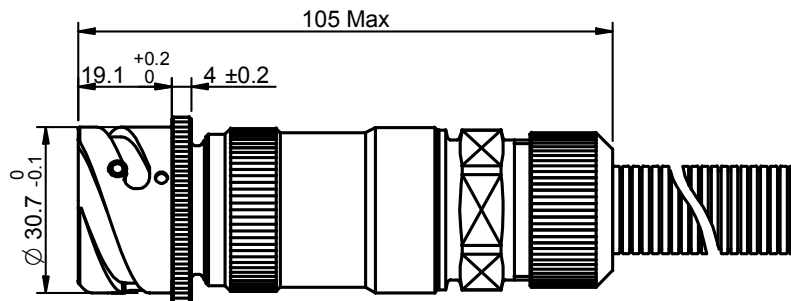
Front View



ITH0018QXX-Y-PHMF6

CONFIGURATIONS AVAILABLE : ITH 01

Front View



ITH0118QXX-Y-CRGF6

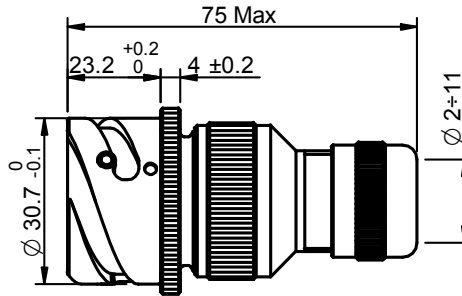
MIL-DTL-5015 Type Reverse Bayonet Coupling
(Series ITH)
Quadrax Connector



High-Speed
Connectors

CONFIGURATIONS AVAILABLE : ITH 01

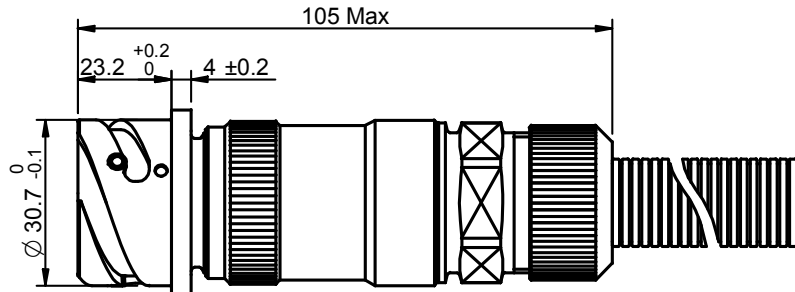
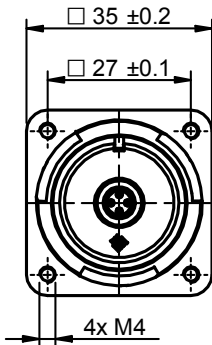
Front View



ITH0118QXX-Y-PHMF6

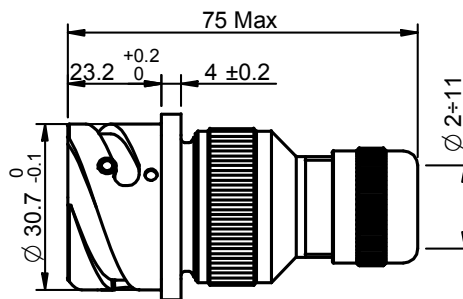
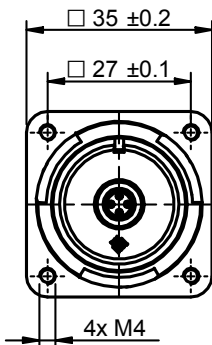
CONFIGURATIONS AVAILABLE : ITH 030

Front View



ITH03018QXX-Y-CRGF6

Front View



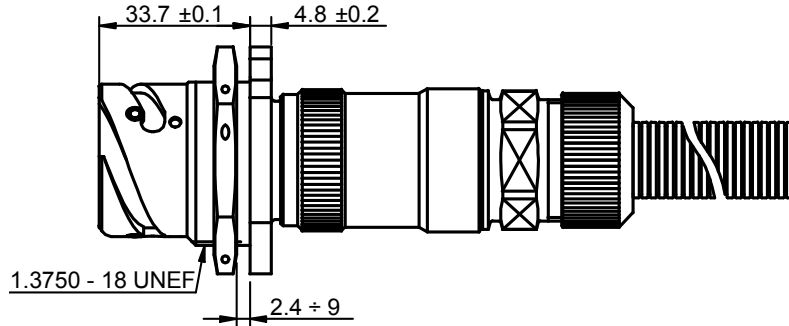
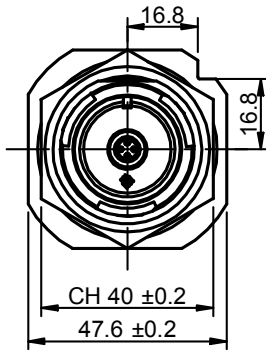
ITH03018QXX-Y-PHMF6

Connectors

MIL-DTL-5015 Type Reverse Bayonet Coupling (Series ITH) Quadrax Connector

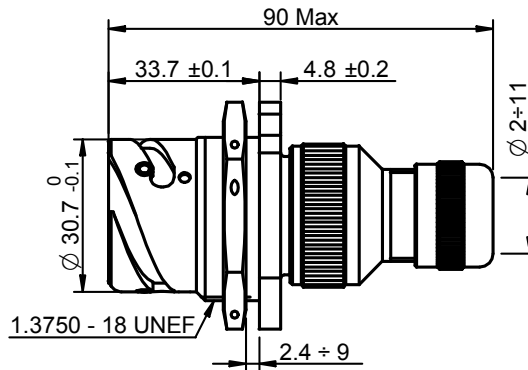
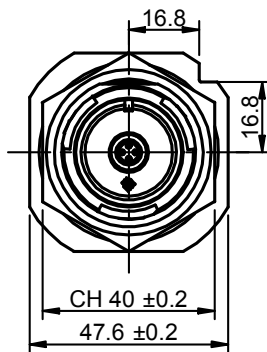
CONFIGURATIONS AVAILABLE : ITH 070

Front View



ITH07018QXX-Y-CRGF6

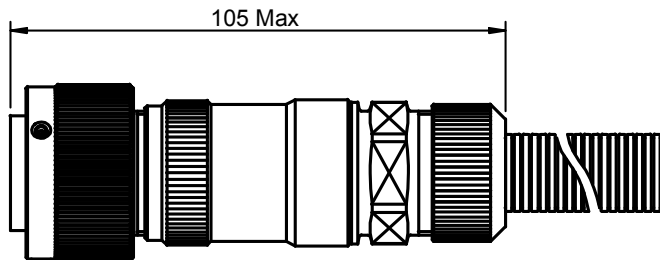
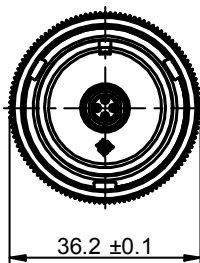
Front View



ITH07018QXX-Y-PHMF6

CONFIGURATIONS AVAILABLE : ITH 06

Front View



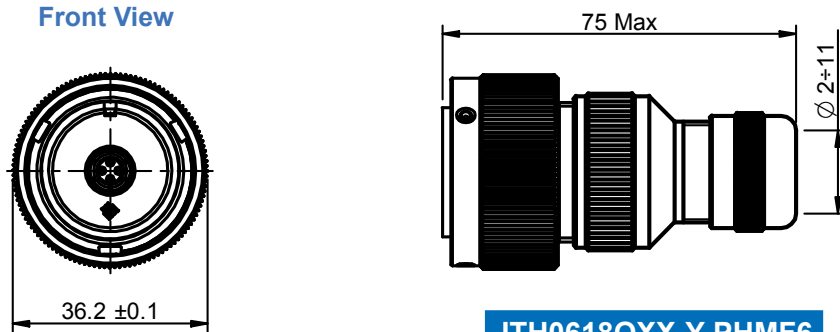
ITH0618QXX-Y-CRGF6

MIL-DTL-5015 Type Reverse Bayonet Coupling (Series ITH) Quadrx Connector



High-Speed
Connectors

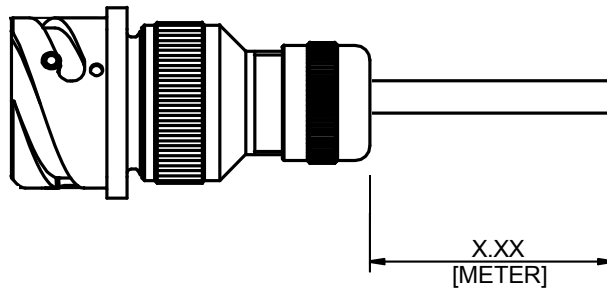
CONFIGURATIONS AVAILABLE : ITH 06



ITH0618QXX-Y-PHMF6

CONFIGURATIONS AVAILABLE : ITH 01

Female with Pigtail for Configuration : 00 - 01 - 030 - 070



EXAMPLE : ITH0018QXX-Y-1.5PHMF6 → 1.5 mt Pigtail

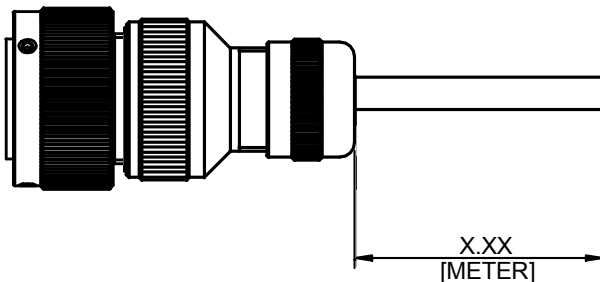
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ITH0018QXX-Y-Z.zzCRGF6
ITH0018QXX-Y-Z.zzPHMF6

Female with Pigtail for Configuration : 030
ITH03018QXX-Y-Z.zzCRGF6
ITH03018QXX-Y-Z.zzPHMF6

Female with Pigtail for Configuration : 01
ITH0118QXX-Y-Z.zzCRGF6
ITH0118QXX-Y-Z.zzCRGF6

Female with Pigtail for Configuration : 070
ITH07018QXX-Y-Z.zzCRGF6
ITH07018QXX-Y-Z.zzPHMF6

Male with Pigtail for Configuration : 06



Female with Pigtail for Configuration : 06
ITH0618QXX-Y-Z.zzCRGF6
ITH0618QXX -Y-Z.zzPHMF6

EXAMPLE : ITH0618QXX-Y-1.5PHMF6 → 1.5 mt Pigtail

Connectors