

HA Connector – Eurofighter Standard JN1055

Singleway Fibre Optic Connector – Airframe Fit

TechOptics

The HA connector is a high performance singleway connector designed and qualified to the European Fighter Aircraft standard JN1055.

The HA is compatible with the Amphenol MFM series of singleway connectors.



Key Features

- ✦ Qualified to EFA specification
- ✦ High performance optical contacts
- ✦ Rugged construction for high reliability
- ✦ Manufactured from corrosion resistant ARCAP
- ✦ Anti-vibration coupling mechanism
- ✦ Easily accessible optical end faces for cleaning and maintenance
- ✦ Six keyway options available to prevent cross mating
- ✦ 2.5mm ferrule enables standard inspection and cleaning tools to be used

General Specification

Fibre type 200/280µm
Cable size 2.5mm tight jacket
(type 100) Draka JN1008B

Materials:

Shell ARCAP
Contact body ARCAP
Ferrule Zirconia
Alignment Sleeve Zirconia
Seals Fluorosilicone

Optical Performance:

Insertion loss 0.3dB typical*
Return loss 40dB typical*
Repeatability <0.1dB over 500 matings

* process and polish dependent

Environmental

High temp endurance +155°C*
Low temp endurance -65°C
Durability > 500 matings
Vibration Eurofighter specification J62.710

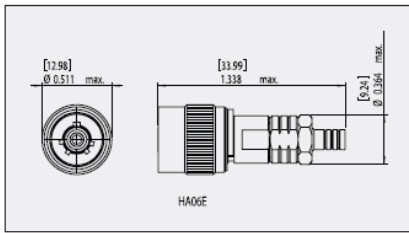


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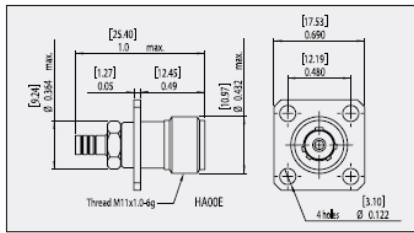
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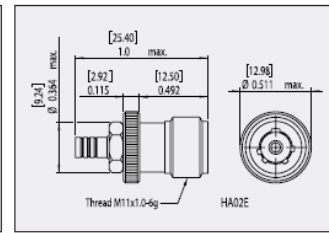
Drawings dimensions in inches [mm]



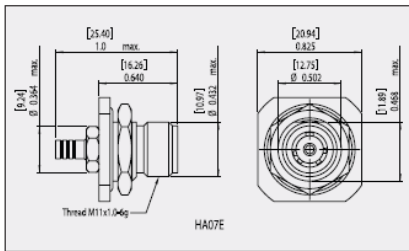
HA06E-*-*-* Plug



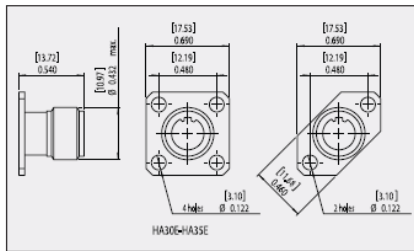
HA00E-*-*-* Receptacle



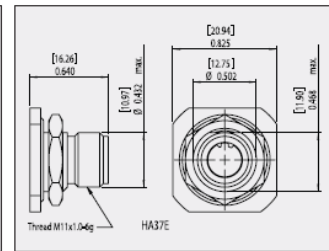
HA02E-*-*-* Free Receptacle



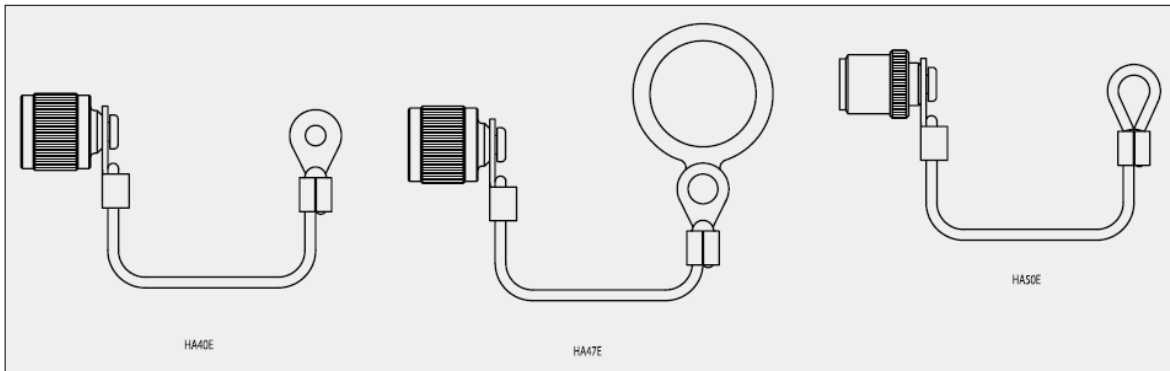
HA07E-*-*-* Jam Nut Receptacle



HA35E 2 Hole Dummy Receptacle /
HA30E 4 hole Dummy Receptacle



HA37E Jam Nut Fixing
Dummy Receptacle



HA40E Protective cap for receptacle connector, HA47E Protective cap for jam nut receptacle HA50E Protective cap for plug connector

Ordering Information

Part Number

HA

**E-

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Series

Shell style

- 00 Bulkhead receptacle
- 02 Free Receptacle
- 06 Plug
- 07 Jamnut receptacle

Shell Orientation

N, A, B, C, D, E

Cable type

- 100 2.5mm tight buffered 200/280µm fibre
Draka JN1008B

Example part number:
HA06E-N-100

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Accessories

In addition to the connectors and protective caps above dummy receptacles are also available – please contact Tech Optics for details.

Assemblies

Tech Optics offers a complete harness service for HA connectors terminated at our Tonbridge facility. Assemblies are supplied individually serialised for full batch traceability complete with individual test reports for each harness.

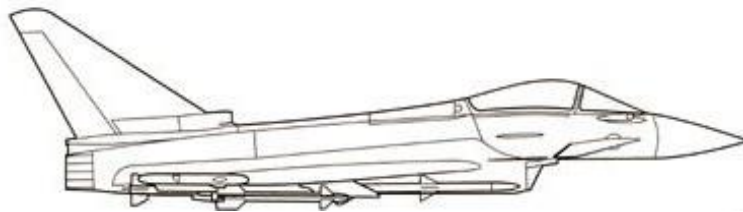
Please contact us for further details.

Termination Tooling

Tech Optics offers a complete range of tools and consumables for terminating, testing and maintaining the HA connector range.

Training

Tech Optics provides bespoke training courses covering fibre optic theory, termination, best practice and maintenance.



For further information and to discuss your application please contact:-

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Specifications subject to change without notice.

HA Connector JN1055

Registered ISO 9001:2015

for the distribution of
fibre optic products and the
manufacture of fibre optic
assemblies.



www.techoptics.com

