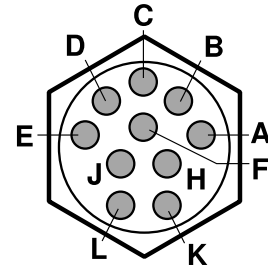


Oxford Instruments Mercury iTC sensor/heater to Variox cryostat

See par. 5.4.2, p. 75 of Mercury iTC manual – Ge/C carbon resistor connection.

Female cable plug wiring at Variox cryostat

10-pin Miniature Circle Hex connector GH-10F
GH10FSCLSH16 – Also A1-107 OxInst. Legacy avionics.



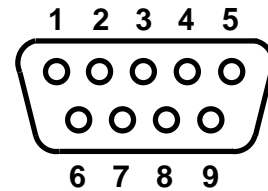
Female: GH10F Connector view

Male cable plug wiring at Mercury ITC

9-pin D-sub connector DEM-9P

Variox cryo. (GH10) Mercury (9-way D-sub)

A	6	Heater +
B	7	Heater -
C	1	V-
D	3	V+
E	4	I+
F	5	I-
J		
H		
L	9	Ground
K		



Male: DE9 Connector view

Selection and ordering information for GH series and D-sub connectors

Generic Miniature Circle Hex connector GH-10F

GH-10F miniature circle hex connectors from Positronic. For legacy avionics. GH10FSCLSH16 is sold as A1-107 from Oxford Instruments (produced by MIOS).

GH: Basic GH series
10: Connector variant: 10 pin (also 4, 5, 7, and 9)
F: Gender (M, F)
SC: Contact termination: Solder cup
LS: Mounting and locking: Lock spring (or LR Lock ring)
H16: Cable adapters (Hoods): H16 - Aluminum hood

Generic D-sub connector DEM-9P

D = D Subminiature connector
E = Shell size: E = 9 contacts, A = 15, B = 25
M = Class of insulator: M = One-piece insulator (commercial)

9 = Number of contacts (15 in case of high-density layout)
P = Type of contact: P - Pin, S - Socket

See also: <https://octopart.com/electronic-parts/connectors/circular-connectors>
<https://pinoutguide.com>
<https://www.connectpositronic.com/series/gh>
<https://estore.oxinst.com/eu/zidA1-107>