

# Low Noise, High Temperature Standard Connectors

Type HGST Liquid Crystal Polymer  
Rated to -29 to 260°C (-20 to 500°F)

ANSI  
color  
code  
shown

To order  
IEC color  
code visit  
newportUS.com



**Liquid Crystal Polymer!**



GS-GST Ground Strap  
Included. Additional  
Ground Straps, GS-GST-10

- ✓ Connector Ground Protects Against Electrical Noise Errors
- ✓ Connection Prevents Signal Loss Due to Vibration or Wire Movement
- ✓ Write-On Window
- ✓ Environmentally Friendly Cadmium-Free Liquid Crystal Polymer Shell



HCP-L  
write-on  
window  
included.

Shown  
actual size.

Visit  
newportUS.com for  
TWSH Series  
twisted and shielded  
thermocouple wire.

Covered by U.S. and  
International Patents and  
Patents Pending Application.

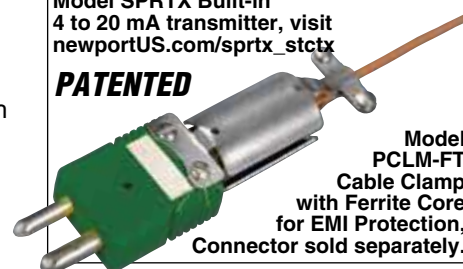
The new HGST low noise connectors are designed to provide easy connection of ground wires to probes and extension wires. The drain wire of a 20 AWG twisted shield cable or the shield of the overbraided wire is crimped and held in place by the HGST's internal hardware. The HGST has excellent thermal and electrical characteristics to assure high accuracy. Each connector includes an HCP-L and HCP-HGST write-on window. An external ground strap is included to provide additional mechanical rigidity and strengthen the mechanical bond between the connectors. Ground straps also maintain the electrical contact through the connector, protecting against electrical noise errors.

## Also Available!

### Transmitters and Ferrite Cores for EMI Protection

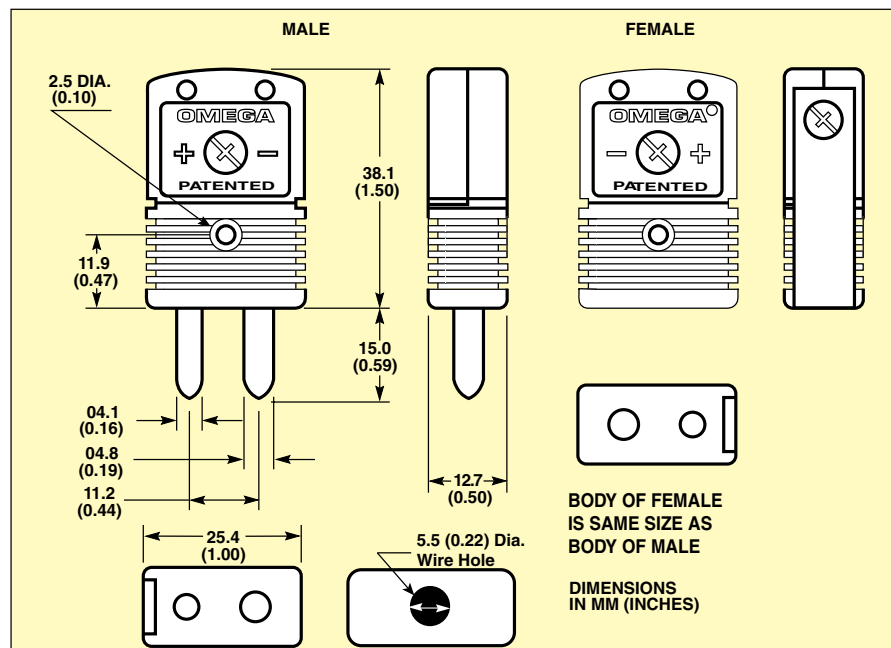
Model SPRTX Built-in  
4 to 20 mA transmitter, visit  
newportUS.com/sprtx\_stctx

**PATENTED**



We make running changes  
when technical advances allow.  
Check at time of ordering  
for additional features.

Visit [omega.com/hgjmqln](http://omega.com/hgjmqln)  
for low noise  
thermocouple probes





HCP-HGST  
Side Write-on Windows  
Included, Additional  
Windows



Basic Pair

Standard size  
connectors  
shown actual size

The Write-On Connector is a Patented



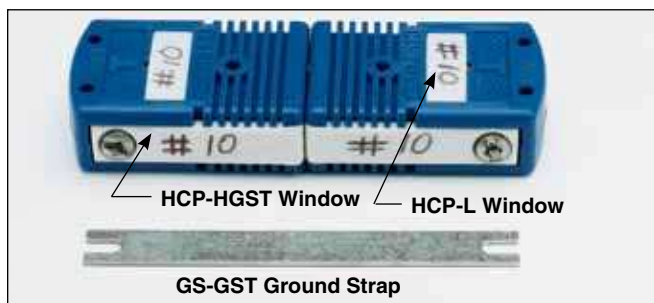
Accepts Stranded  
or Solid Wire up to  
Size 14 AWG

Accessories  
Twisted and Shielded  
Thermocouple Wire, See  
[newportUS.com/tt-j-  
twsh](http://newportUS.com/tt-j-twsh)

See Complete  
Selection of  
Connector online  
at [newportUS.com](http://newportUS.com)



Combination screws work  
with both standard and  
Phillips screwdrivers!



HCP-HGST Window HCP-L Window

GS-GST Ground Strap

Each connector supplied with write-on window for connector face and sides. The ground strap replaces the side windows and maintains the electrical connection through the connector pair.

#### Accessories

Model No.	Description
HCP-L	Write-on window for HGST connector face
HCP-HGST	Write-on window for HGST connector side
GS-GST-10	Ground straps

**ALL MODELS AVAILABLE FOR FAST DELIVERY!**

#### To Order [newportUS.com/hgst](http://newportUS.com/hgst)

Alloy Code <sup>†</sup>	Type of Thermocouple Used With Connector	Compensating Alloy Used in Connector		Shell Color	Model Number
		+	–		
K	CHROMEGA®-ALOMEGA®	CHROMEGA®	ALOMEGA®	Yellow	HGST-K-(* )
T	Copper-Constantan	Copper	Constantan	Blue	HGST-T-(* )
J	Iron-Constantan	Iron	Constantan	Black	HGST-J-(* )
E	CHROMEGA®-Constantan	CHROMEGA®	Constantan	Purple	HGST-E-(* )
R/S	Pt/13%Rh-Pt	Copper	RNX/SNX	Green	HGST-R/S-(* )
U	Uncompensated	Copper	Copper	White	HGST-U-(* )
N	OMEGALLOY®	OMEGA-P®	OMEGA-N®	Orange	HGST-N-(* )

\* To order, specify "MF" for connector pair, "M" for male connector only, or "F" for female connector only

<sup>†</sup>J, K, T, S and B are ANSI designations. OMEGALLOY® is generically known as Nicrosil-Nisil  
Type U (uncompensated) connectors are used with type B thermocouples (Pt/6%Rh-Pt/30%Rh)

Ordering Examples: HGST-K-MF, Type K connector pair. HGST-K-F, Type K female connector.  
HGST-J-MF, Type J connector pair, with GS-GST-10 replacement ground straps.