



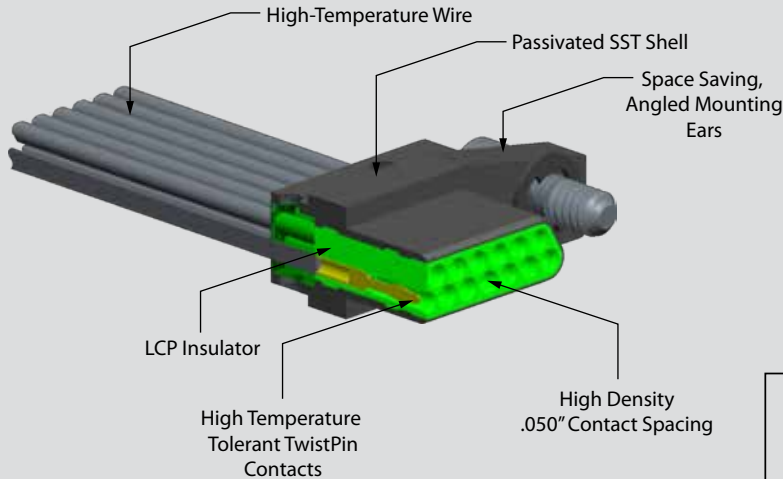
SERIES GHTM WELL-MASTER 260° Downhole Micro-D Connector



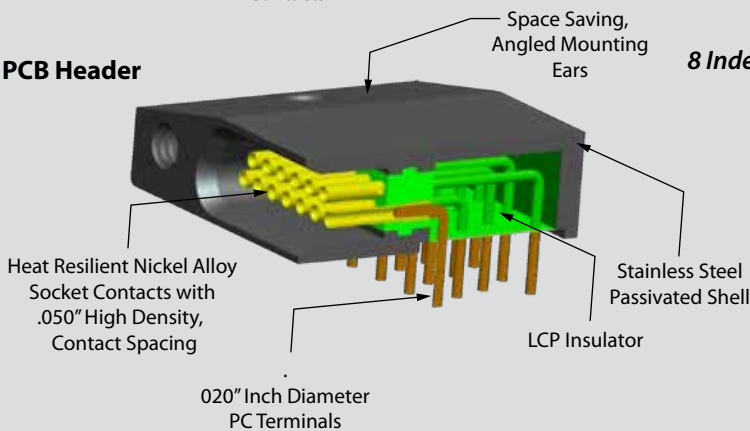
Materials and specifications

WELL-MASTER® 260° FEATURES

Cable Connector



PCB Header



What sets our pins apart

This unretouched photograph shows important differences between the TwistPin and stamped pins.

A Stronger Pin

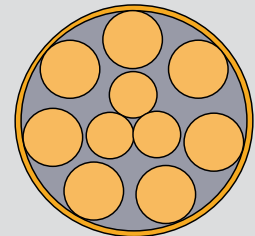
Both types of contacts meet the requirements of MIL-DTL-83513. But only the TwistPin offers a stronger pin with its seven points of contact, high normal force and better resistance to vibration.

"B" Crimp Spot Weld

8 Indent Mil Spec Crimp Joint

Seven Points of Electrical Contact

The TwistPin size #24 contact has seven strands of BeCu wire surrounding three filler strands. Each strand makes contact with the socket, assuring low resistance, plenty of contact wipe, and excellent shock and vibration performance.



A Better Crimp Joint

Micro-D connectors are factory-terminated to wire. Board mount and insulated wire pigtailed have crimp joints where the wire attaches to the contact. Micro-D GHTM crimp joints are encased with a LCP insulator. This design is unique among high reliability mil spec connectors because the mil spec allows

stamped crimp barrels and does not specify that the crimping process must use mil spec crimp tools. The thin sheet metal in the stamped pin cannot produce a satisfactory gas-tight crimp joint, so spot welding is required to reduce the chance of failure.

Materials and Finishes	
Contacts	Proprietary nickel alloy, gold plated
Insulators	Liquid crystal polymer (LCP)
Shell	Stainless steel, passivated
Mounting Hardware	Stainless Steel
Insulated Wire	Nickel-coated copper, PTFE insulation per M22759/87 (260°C)

Specifications	
Current Rating	3 Amps
Contact Resistance	8 milliohms maximum
Dielectric Withstanding Voltage	600 Vac sea level
Insulation Resistance	5000 megohms minimum
Operating Temperature	-55° C. to +260° C.
Shock	50 g.
Vibration	20 g.

DOWNHOLE: WELL-MASTER® 260°