

# TECHNICAL CHARACTERISTICS

	Single-Pin Connector	Boot Kit	
Style	<b>Glass-to-Metal</b>	<b>Standard</b>	<b>High Pressure, High Temperature</b>
Part Number	019931-2001	079900-8XXX	079900-9XXX
Contact Size	#16 male pin	#16 female socket	#16 female socket
Termination	—	Crimp or solder	Crimp or solder

## MECHANICAL & ENVIRONMENTAL

Pressure Rating	35K PSI	35K PSI	35K PSI
Temperature Range	0°C to 200°C	-30°C to 232°C	-15°C to 300°C
Hermeticity <i>(connectors only)</i>	Maximum helium leak rate of 1x10 <sup>-8</sup> cc/sec @ 1 atm	—	—

## MATERIALS & PLATING

Body	Inconel	Fluoropolymer (PTFE) insulator	Fluoropolymer (PTFE) insulator
Contact	Inconel, gold over nickel plating	Copper alloy, gold over nickel plating	Copper alloy, gold over nickel plating
O-Ring	Fluorocarbon (FKM)	—	—
Backup Ring	Thermoplastic	—	—
Boot	—	Fluorocarbon (FKM)	Perfluoroelastomer (FFKM)
Wire Size	—	18 to 24 AWG	18 to 24 AWG
Wire Insulation	—	0.043 to 0.084 [1.09 to 2.14]	0.043 to 0.084 [1.09 to 2.14]

## ELECTRICAL

Current Rating	5 Amps	5 Amps	5 Amps
Insulation Resistance	> 5,000 MΩ @ 500 VDC	> 5,000 MΩ @ 500 VDC	> 5,000 MΩ @ 500 VDC
Contact Resistance	< 30 mΩ end-to-end	< 30 mΩ end-to-end	< 30 mΩ end-to-end
Voltage Rating	500 VDC	500 VDC	500 VDC

**Notes:**

- 1) Dimensions are in inches [mm]
- 2) All specifications are subject to change without notice