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Horizontal Test Jacks

Application • Test Points

Insulated Miniature

SPECIFICATIONS

Contact: Copper aluminum alloy*

Finish: Silver

Body: Nylon 6/6 per ASTM D4066

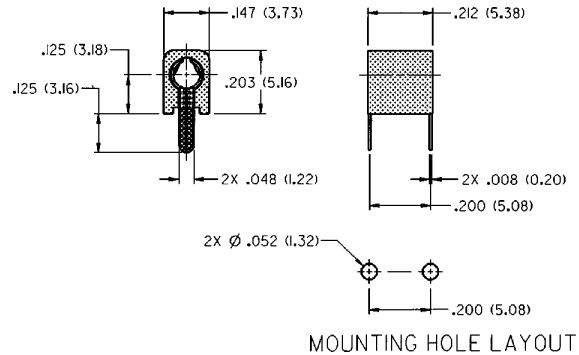
RATINGS

Current: 5 amps

Breakdown Voltage: 2100 Vrms minimum †

Contact Resistance: 0.010 ohms maximum

Adjacent Jack C: 1 pF maximum at 1 MHz



SILVER PLATING			
PART NO.	COLOR	PART NO.	COLOR
105-1101-001	White	105-1107-001	Yellow
105-1102-001	Red	105-1108-001	Brown
105-1103-001	Black	105-1110-001	Blue
105-1104-001	Green	105-1112-001	Violet
105-1106-001	Orange	105-1113-001	Gray

For Standard Tip Plug: .080" (2mm) Diameter

FEATURES:

- Contact protected from flux and solder
- Probe access from both ends
- Nylon UL approved for self extinguishing

** A new Johnson Components Inc. material development that, for this application, meets or exceeds beryllium copper.*

Insulated Standard

SPECIFICATIONS

Contact: Copper aluminum alloy*

Finish: Gold or Silver

Body: Nylon 6/6 per ASTM D4066

RATINGS

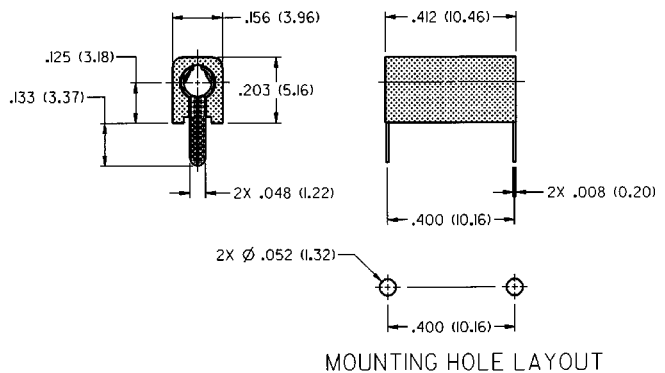
Current: 5 amps

Breakdown Voltage: 2100 Vrms minimum †

Contact Resistance: Gold: 0.005 ohms maximum

Silver: 0.010 ohms maximum

Adjacent Jack C: 1 pF maximum at 1 MHz



GOLD PLATING			
PART NO.	COLOR	PART NO.	COLOR
105-0751-150	White	105-0754-150	Green
105-0752-150	Red	105-0757-150	Yellow
105-0753-150	Black	105-0758-150	Blue
SILVER PLATING			
PART NO.	COLOR	PART NO.	COLOR
105-0751-001	White	105-0757-001	Yellow
105-0752-001	Red	105-0758-001	Brown
105-0753-001	Black	105-0760-001	Blue
105-0754-001	Green	105-0762-001	Violet
105-0756-001	Orange	105-0763-001	Gray

For Standard Tip Plug: .080" (2mm) Diameter

FEATURES:

- Contact protected from flux and solder
- Probe access from both ends or top
- Nylon UL approved for self extinguishing

** A new Johnson Components Inc. material development that, for this application, meets or exceeds beryllium copper.*

Horizontal Test Jacks

Application • Test Points

Insulated Ruggedized: Military Type

SPECIFICATIONS

Contact: Copper aluminum alloy*

Finish: Gold or Silver

Body: Nylon 6/6 per ASTM D4066

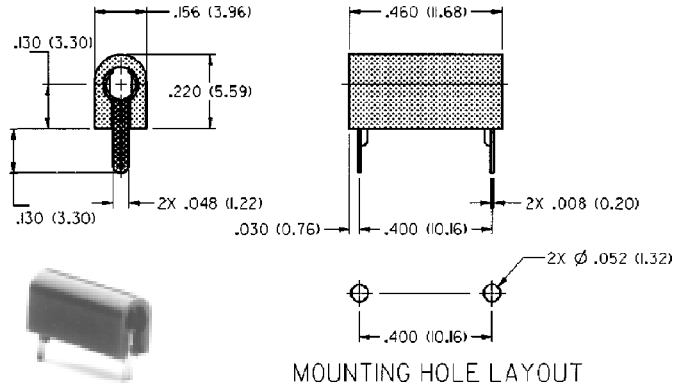
RATINGS

Current: 5 amps

Breakdown Voltage: 2500 Vrms minimum†

Contact Resistance: Gold: 0.005 ohms maximum

GOLD PLATING			
JCI PART NO. TO MIL-SPEC. PART NO. CROSS REFERENCE			
PART NO.	COLOR	MIL-C-39024/11	
105-2201-105	White	-01	
105-2202-105	Red	-02	
105-2203-105	Black	-03	
105-2208-105	Brown	-04	
105-2204-105	Green	-05	
105-2206-105	Orange	-06	
105-2210-105	Blue	-07	
105-2207-105	Yellow	-08	
105-2213-105	Gray	-09	
105-2212-105	Violet	-10	
SILVER PLATING			
PART NO.	COLOR	PART NO.	COLOR
105-2201-101	White	105-2207-101	Yellow
105-2202-101	Red	105-2208-101	Brown
105-2203-101	Black	105-2210-101	Blue
105-2204-101	Green	105-2212-101	Violet
105-2206-101	Orange	105-2213-101	Gray



For Standard Tip Plug: .080" (2mm) Diameter

FEATURES:

- Contact protected from flux and solder
- Probe access from both ends
- Nylon UL approved for self extinguishing
- For Military or Industrial Applications

**A new Johnson Components, Inc. material development that, for this application, meets or exceeds beryllium copper.*

Insulated Ruggedized Low Profile

SPECIFICATIONS:

Contact: Copper aluminum alloy*

Finish: Gold

Body: Nylon 6/6 per ASTM D4066

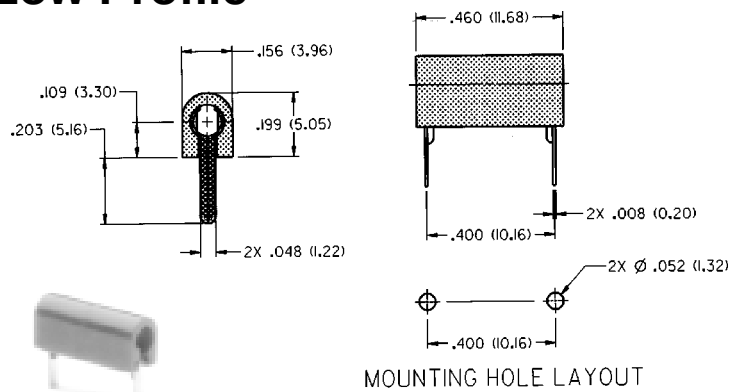
RATINGS

Current: 5 amps

Breakdown Voltage: 2100 Vrms minimum +

Contact Resistance: Gold: 0.005 ohms maximum
Silver: 0.010 ohms maximum

Adjacent Jack C: 1 pF maximum at 1 MHz



For Standard Tip Plug: .080" (2mm) Diameter

FEATURES:

- Contact protected from flux and solder
- Probe access from both ends
- Nylon UL approved for self extinguishing

**A new Johnson Components Inc. material development that, for this application, meets or exceeds beryllium copper.*

Vertical Test Jacks

Application • Test Points

Insulated: Machined Contact

SPECIFICATIONS:

Contact: Beryllium copper per QQ-C-530

Finish: Silver

Body: Nylon 6/6 per ASTM D4066

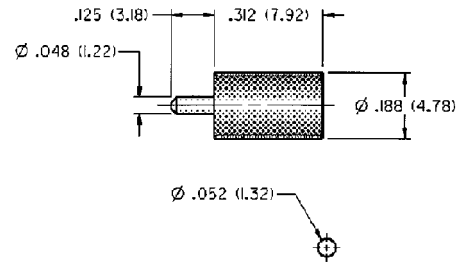
RATINGS

Current: 5 amps

Breakdown Voltage: 3500 Vrms minimum +

Contact Resistance: 0.010 ohms maximum

Adjacent Jack C: 1 pF maximum at 1 MHz



MOUNTING HOLE LAYOUT

SILVER PLATING			
PART NO.	COLOR	PART NO.	COLOR
105-0851-001	White	105-0857-001	Yellow
105-0852-001	Red	105-0858-001	Brown
105-0853-001	Black	105-0860-001	Blue
105-0854-001	Green	105-0862-001	Violet
105-0856-001	Orange	105-0863-001	Gray

For Standard Tip Plug: .080" (2mm) Diameter

FEATURES:

- Contact protected from flux and solder
- Nylon UL approved for self extinguishing

Insulated: Formed Contact

SPECIFICATIONS:

Contact: Beryllium copper per QQ-C-533

Finish: Gold or Silver

Body: Nylon 6/6 per ASTM D4066

RATINGS

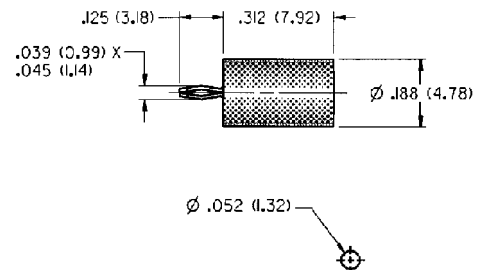
Current: 5 amps

Breakdown Voltage: 3500 Vrms minimum +

Contact Resistance: Gold: 0.005 ohms maximum

Silver: 0.010 ohms maximum

Adjacent Jack C: 1 pF maximum at 1 MHz



MOUNTING HOLE LAYOUT

GOLD PLATING			
PART NO.	COLOR	PART NO.	COLOR
105-2201-205	White	105-2207-205	Green
105-2202-205	Red	105-2208-205	Yellow
105-2203-205	Black	105-2210-205	Blue
SILVER PLATING			
PART NO.	COLOR	PART NO.	COLOR
105-2201-201	White	105-2207-201	Yellow
105-2202-201	Red	105-2208-201	Brown
105-2203-201	Black	105-2210-201	Blue
105-2204-201	Green	105-2212-201	Violet
105-2206-201	Orange	105-2213-201	Gray

For Standard Tip Plug: .080" (2mm) Diameter

FEATURES:

- Spring loaded lead to hold in board
- Contact protected from flux and solder
- Nylon UL approved for self extinguishing

Shielded Test Jacks

RF Circuit Test Points

Electrical Ratings

Impedance: 29 ohms
Frequency Range: 0 - 2 GHz
Working Voltage: 300 Vrms +
Dielectric Withstanding Voltage: 2000 VDC +
Contact Resistance: Center Contact: 6 milliohms
Outer conductor: 2.5 milliohms

Mechanical Ratings

Insertion Force: Inner conductor: 32 oz. max. 2 oz. min.
Outer conductor: 48 oz. max. 6 oz. min.
Durability: 250 cycles

Environmental Ratings

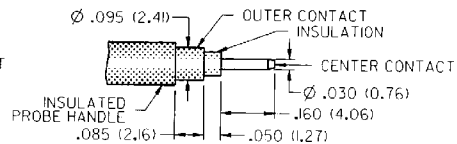
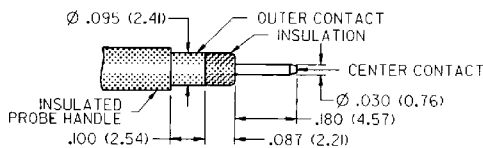
Temperature Range: -65° C to + 85° C
Corrosion: Salt spray, 24 hours
Shock: Method 213, Test Condition B, MIL-STD-202
Vibration: Method 204, Test Condition B, MIL-STD-

202

Material Specifications

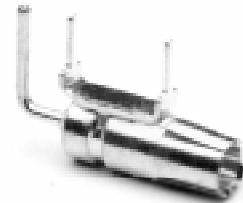
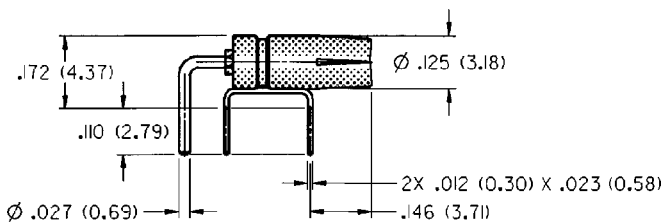
Contact: Beryllium copper per QQ-C-533/530
Insulator Material: TFE Fluorocarbon per L-P-403
Finish: Center Contact and Body: Bright Tin or Gold

SHIELDED TEST JACK INTERFACE - TYPICAL PROBE TYPE



Horizontal

BRIGHT TIN PLATED	GOLD PLATED
129-0701-301	129-0701-302



Vertical

BRIGHT TIN PLATED	GOLD PLATED
129-0701-201	129-0701-202

