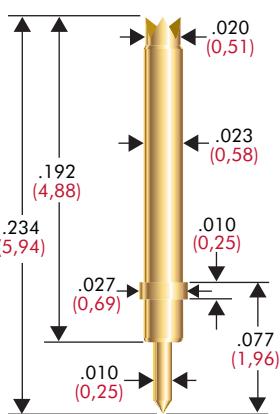


Semiconductor Probes

101084 PROBE



PROBE SPECIFICATIONS

Minimum Pitch: .030 (0.75)
 Signal Path Length: .205 (5.21)
 Force per Contact: 1.25 oz. (35g) @ .029 (0.74) travel
 Device Compliance: .016 (0.40)
 DUT Board Compliance: .013 (0.33)
 Operating Temperature: -55°C to 150°C
 Insertions: >500,000

ELECTRICAL SPECIFICATIONS

Impedance: 50 Ω characteristic
 Pattern: * 2a @ .039 (1.00) pitch
 Bandwidth: >10 GHz @ -1 dB
 Loop Inductance:
 1.43 nH @ .039 (1.00) pitch
 Capacitance: 0.51 pF
 Typical Resistance: <50 mΩ
 Current Carrying Capacity: 5 amps continuous
 (Individual probe in free air @ ambient temperature)

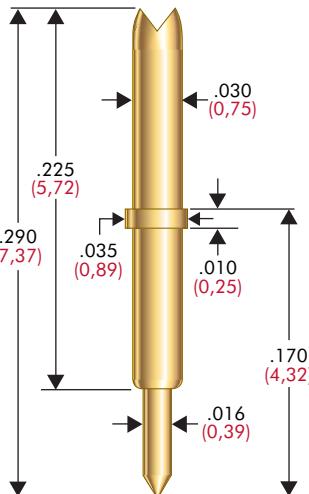
MATERIALS

Barrel: Beryllium copper, gold plated
 Spring: Stainless steel, gold plated
 Plunger: Full-hard beryllium copper, gold plated

HOW TO ORDER

101084-001

100929 PROBE



PROBE SPECIFICATIONS

Minimum Pitch: .039 (1.00)
 Signal Path Length: .250 (6.35)
 Force per Contact 1.1 oz (31g) @ .040 (1.02) travel
 Device Compliance: .035 (0.89)
 DUT Board Compliance: .005 (0.13)
 Operating Temperature: -55°C to 150°C
 Insertions: >500,000

ELECTRICAL SPECIFICATIONS

Impedance: 50 Ω characteristic
 Pattern: * 2a @ .050 (1.27) pitch
 Bandwidth: >10 GHz @ -1 dB
 Loop Inductance:
 1.75 nH @ .050 (1.27) pitch
 Capacitance: 0.62 pF
 Typical Resistance: <50 mΩ
 Current Carrying Capacity: 5 amps continuous
 (Individual probe in free air @ ambient temperature)

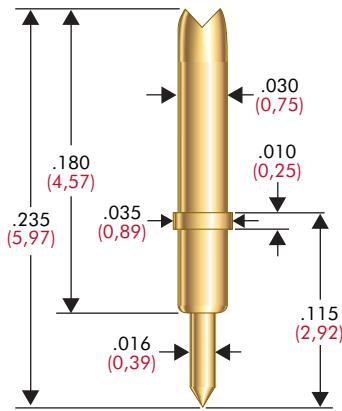
MATERIALS

Barrel: Beryllium copper, gold plated
 Spring: Stainless steel, gold plated
 Plunger: Full-hard beryllium copper, gold plated

HOW TO ORDER

100929-001

100881 PROBE



PROBE SPECIFICATIONS

Minimum Pitch: .039 (1.00)
 Signal Path Length: .215 (5.46)
 Force per Contact: 1.0 oz (28g) @ .020 (0.51) travel
 Device Compliance: .015 (0.38)
 DUT Board Compliance: .005 (0.13)
 Operating Temperature: -55°C to 150°C
 Insertions: >500,000

ELECTRICAL SPECIFICATIONS

Impedance: 50 Ω characteristic
 Pattern: * 2a @ .050 (1.27) pitch
 Bandwidth: >10 GHz @ -1 dB
 Loop Inductance:
 1.50 nH @ .050 (1.27) pitch
 Capacitance: 0.53 pF
 Typical Resistance: <50 mΩ
 Current Carrying Capacity: 5 amps continuous
 (Individual probe in free air @ ambient temperature)

MATERIALS

Barrel: Beryllium copper, gold plated
 Spring: Stainless steel, gold plated
 Plunger: Full-hard beryllium copper, gold plated

HOW TO ORDER

100881-001

* (S=Signal, R=Return) For electrical specifications for alternate patterns, contact IDI or go to www.idinet.com. For fixturing information on semiconductor probes, see pages 120-121 of the Source Book. Specifications subject to change. Dimensions in inches (millimeters)

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