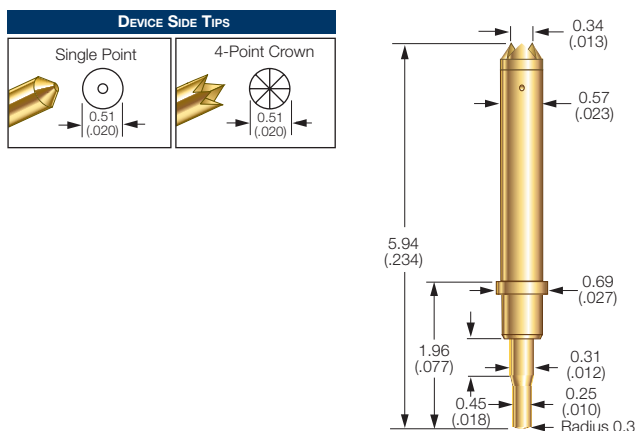


Semiconductor Probes 0.80mm & 1.00mm PITCH

101785 PROBE



PROBE SPECIFICATIONS

Minimum Device Pitch: 0.80mm (.031)
 Signal Path Length: 5.21mm (.205)
 Force per Contact: 35.4g (1.25 oz.) @ 0.74mm (.029) travel
 Device Compliance: 0.33mm (.013)
 DUT Board Compliance: 0.41mm (.016)
 Operating Temperature: -55°C to 150°C
 Insertions: > 500,000

MATERIALS

Barrel: Full-hard beryllium copper, Endura plating
 Spring: Stainless steel, gold plated
 Device Side Contact: Full-hard beryllium copper, gold plated
 Board Side Contact: Full-hard beryllium copper, gold plated

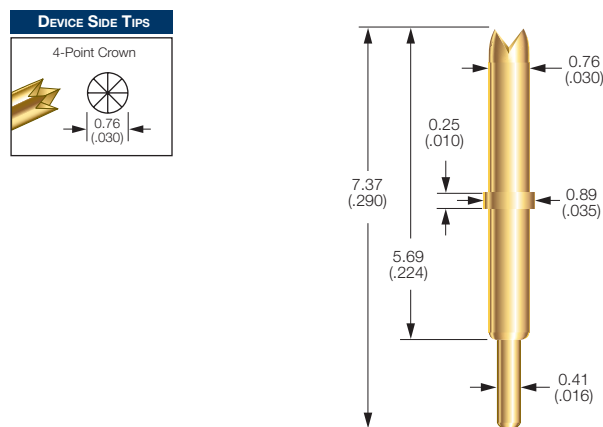
ELECTRICAL SPECIFICATIONS

Typical Resistance: < 40 mΩ
 Current Carrying Capacity: 5 amps continuous
 (Current DC carry capability @ 80° C steady state)
 Pattern 2a: **R S R** at 0.8mm pitch
 Characteristic Impedance: 38 Ω
 Time Delay: 27 pSec
 Loop Inductance: 1.03 nH
 Signal Pin to Return Capacitance: 0.71 pF
 -1 dB Insertion Loss Bandwidth: > 10 GHz

HOW TO ORDER

Part No.	Device Side Tip	PCB Side Tip
101785-001	0.34 4-pt. Crown	Radius

101312 PROBE



PROBE SPECIFICATIONS

Minimum Device Pitch: 1.00mm (.039)
 Signal Path Length: 6.97mm (.274)
 Force per Contact: 31g (1.1 oz.) @ 1.02mm (.040) travel
 Device Compliance: 0.25mm (.010)
 DUT Board Compliance: 0.76mm (.030)
 Operating Temperature: -55°C to 150°C
 Insertions: > 500,000

MATERIALS

Barrel: Full-hard beryllium copper, Endura plating
 Spring: Stainless steel, gold plated
 Device Side Contact: Full-hard beryllium copper, gold plated
 Board Side Contact: Full-hard beryllium copper, gold plated

ELECTRICAL SPECIFICATIONS

Typical Resistance: < 40 mΩ
 Current Carrying Capacity: 5 amps continuous
 (Current DC carry capability @ 80° C steady state)
 Pattern 2a: **R S R** at 1.00mm pitch
 Characteristic Impedance: 36 Ω
 Time Delay: 33 pSec
 Loop Inductance: 1.19 nH
 Signal Pin to Return Capacitance: 0.92 pF
 -1 dB Insertion Loss Bandwidth: > 10 GHz

HOW TO ORDER

Part No.	Device Side Tip	PCB Side Tip
101312-001	0.76 4-pt. Crown	Radius

Specifications subject to change without notice. Dimensions in millimeters (inches)