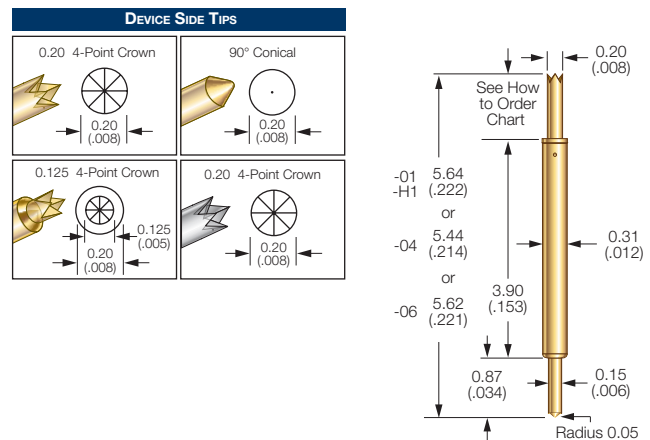


0.40MM PITCH

623-0248 P_{ROBE}



PROBE SPECIFICATIONS

Minimum Device Pitch: 0.40mm (.016)
Signal Path Length:
 01 & H1- 5.04mm (.198)
 04 - 4.84mm (.190)
 06 - 5.02mm (.198)
Force per Contact: 25g (.88 oz.) @ 0.60mm (.024) travel
Device Compliance: 0.40mm (.016)
DUT Board Compliance: 0.20mm (.008)
Operating Temperature: -55°C to 120°C
 (Higher operating temperature probes available, consult factory)
Insertions: > 500,000




MATERIALS

Barrel: Brass, gold plated
Spring: Music wire, gold plated
Device Side Contact:
 01 & 06 Full-hard beryllium copper, gold plated
 04 Carbon steel, gold plated
 H1 Homogeneous alloy
Board Side Contact: Full-hard beryllium copper, gold plated

ELECTRICAL SPECIFICATIONS

Typical Resistance:
01 & H1 < 60 mΩ
04 & 06 < 50 mΩ

Current Carrying Capacity: 3 amps continuous
(Current DC carry capability @ 80° C steady state)

Pattern 2a:    @ 0.4mm pitch

Characteristic Impedance: 46 Ω

Time Delay: 30 pSec

Loop Inductance: 1.38 nH

Signal Pin to Return Capacitance: 0.67 pF

-1 dB Insertion Loss Bandwidth: > 13.2 GHz

HOW TO ORDER

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Part No.	Device Side Tip	Plunger Length	PCB Side Tip
623-0248-01	0.20 4-pt. Crown	0.87mm (.034)	Conical
623-0248-04	Conical	0.67mm (.026)	Conical
623-0248-06	0.125 4-pt. Crown	0.85mm (.033)	Conical
623-0248-H1	0.20 4-pt. Crown	0.87 mm(.034)	Conical

H1 has the homogeneous alloy on the device side of the contact.

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