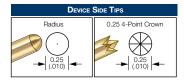
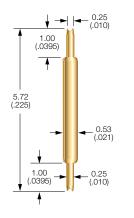
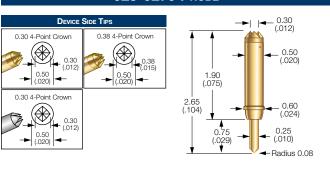
Semiconductor Probes 0.65мм & 0.80мм Рітсн

100938 PROBE





623-0270 PROBE



PROBE SPECIFICATIONS

Minimum Device Pitch: 0.65mm (.026) Signal Path Length: 4.75mm (.187)

Force per Contact: 31g (1.1oz.) @ 0.97mm (.038) travel

Device Compliance: 0.48mm (.019) DUT Board Compliance: 0.48mm (.019) Operating Temperature: -55°C to 150°C

Insertions: > 500,000

MATERIALS

Barrel: Nickel/silver, gold plated Spring: Stainless steel, gold plated

Device Side Contact: Full-hard beryllium copper, gold plated Board Side Contact: Full-hard beryllium copper, gold plated

PROBE SPECIFICATIONS

Minimum Device Pitch: 0.80mm (.031) Signal Path Length: 2.15mm (0.085)

Force per Contact: 27.5g (0.97 oz.) @ 0.50mm (.020) travel

Device Compliance: 0.30mm (.012) 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: Phosphorous bronze, gold plating

Spring: Music Wire, gold plated

Device Side Contact:

01 & 03 Carbon steel, gold plated

H1 Homogeneous alloy

Board Side Contact: Full-hard beryllium copper, gold plated

ELECTRICAL SPECIFICATIONS

Typical Resistance: < 70 mΩ

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

Pattern 2a: \mathbb{R} \mathbb{S} \mathbb{R} @ 0.65mm pitch Characteristic Impedance: 50 Ω

Time Delay: 31 pSec

Loop Inductance: 1.46 nH @ 0.75mm pitch Signal Pin to Return Capacitance: 0.10 pF -1 dB Insertion Loss Bandwidth: > 2.4 GHz

How to Order			
Part No.	Device Side Tip	PCB Side Tip	
100938-001	0.25 4-pt Crown	0.25 4-pt Crown	
100938-014	0.25 4-pt Crown	Radius	
100938-016	Radius	Radius	

ELECTRICAL SPECIFICATIONS

Typical Resistance: < 40 mΩ

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

Time Delay: 14 pSec Loop Inductance: 0.59 nH

Signal Pin to Return Capacitance: 0.31 pF -1 dB Insertion Loss Bandwidth: > 20 GHz

How to Order			
Part No.	Device Side Tip	PCB Side Tip	
623-0270-01	0.30 4-pt. Crown	Conical	
623-0270-03	0.38 4-pt. Crown	Conical	
623-0270-H1	0.30 4-pt. Crown	Conical	

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

Prolonged exposure of greater than one hour reduces the maximum operating temperature of music wire springs to 85°C.

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

