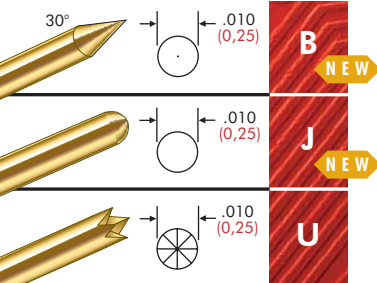
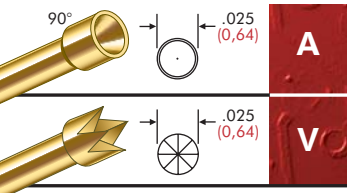


Semiconductor Probes

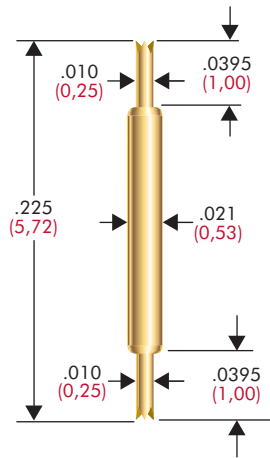
100938 PLUNGERS



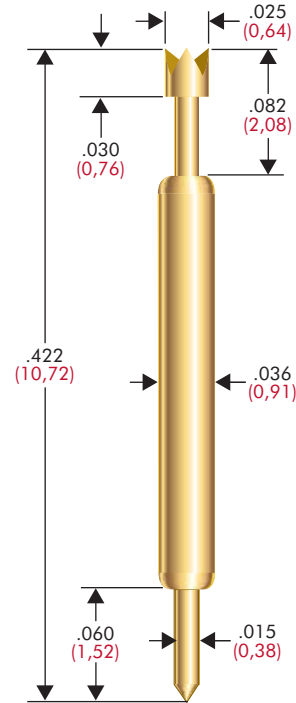
100785 PLUNGERS



100938 SEMICONDUCTOR PROBE



100785 SEMICONDUCTOR PROBE



PROBE SPECIFICATIONS

Device Pitch: .026 (0,65) or greater
 Signal Path Length: .187 (4,75)
 Force per Contact: 1.1 oz. @ .038 (0,97) travel
 Device Compliance: .019 (0,48)
 DUT Board Compliance: .019 (0,48)
 Maximum Compliance: .051 (1,30)
 Operating Temperature: -55°C to 150°C
 Insertions: >500,000

ELECTRICAL SPECIFICATIONS

Impedance: 50 Ω characteristic
 Bandwidth: 2.4 GHz @ -1 dB
 Self Inductance: 0.9 nH @ .029 (0,75) pitch
 Mutual Inductance:
 0.09 nH @ .029 (0,75) pitch diagonal
 0.23 nH @ .029 (0,75) pitch adjacent
 Capacitance: 0.10 pF
 Contact Resistance: <70 mΩ
 Current Carrying Capacity: 3 amps continuous
 (Individual probe in free air @ ambient temperature)

MATERIALS

Barrel: Nickel/silver, gold plated
 Spring: Stainless steel, gold plated
 Plungers: Full-hard beryllium copper, gold plated

HOW TO ORDER

100938-001: for U tip both ends
 100938-014: for U tip and J tip
 100938-015: for U tip and B tip
 100938-016: for J tip both ends

PROBE SPECIFICATIONS

Device Pitch: .050 (1,27) or greater
 Signal Path Length: .362 (9,19)
 Force per Contact: 1.5 oz. @ .060 (1,52) travel
 Device Compliance: .030 (0,76)
 DUT Board Compliance: .030 (0,76)
 Maximum Compliance: .090 (2,29)
 Operating Temperature: -55°C to 150°C
 Insertions: >250,000

ELECTRICAL SPECIFICATIONS

Maximum Frequency: 400 MHz
 Contact Resistance: <50 mΩ
 Current Carrying Capacity: 3 amps continuous
 (Individual probe in free air @ ambient temperature)

MATERIALS

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

HOW TO ORDER

100785-002: for V tip
 100785-003: for A tip

Specifications subject to change.
 Dimensions in inches (millimeters)

For fixturing information on semiconductor probes,
 see pages 122-123 of the Source Book.