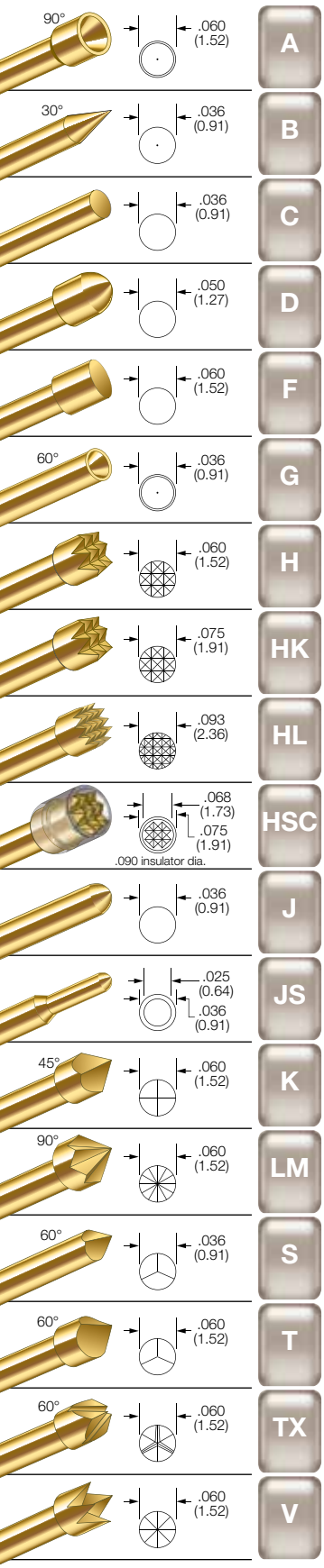
ICT-100 and S-100 Size 100 .100 Centers

BeCu Plunger Tips



Probe Specifications

Minimum Centers: .100 (2.54)
Current Rating: 3 amps continuous
Spring Force: 3.5, 5.5, 6.7, 8.0, 10.0 or 17.0 oz. @.170 (4.32) travel
Typical Resistance: < 8 mΩ
Maximum Travel: .250 (6.35)
Working Travel: .170 (4.32)

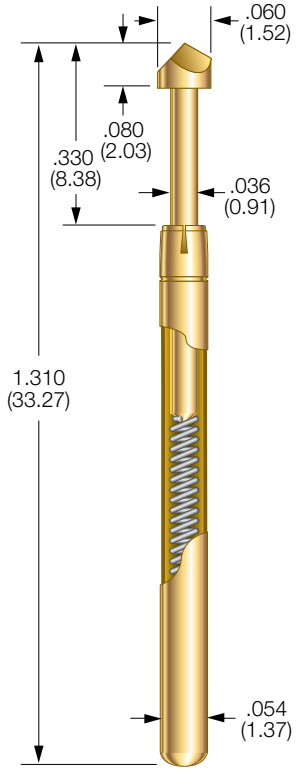
Rated Force oz (g)	Preload oz (g)	Material
3.5 (99)	1.5 (43)	BeCu*
5.5 (156)	2.4 (68)	MW**
6.7 (190)	2.8 (80)	SS
8.0 (227)	3.3 (94)	MW**
10.0 (283)	3.7 (105)	MW
17.0 (483)	6.8 (193)	MW

* 3.5 oz spring S-100 only ** BeCu for S Series

Materials

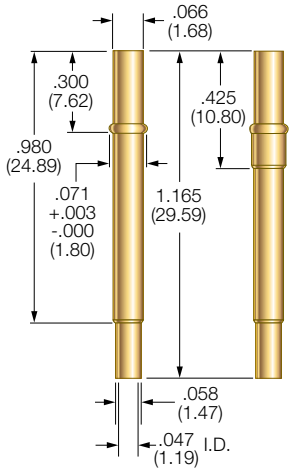
Barrel: G2
Spring: Beryllium copper, music wire, nickel plated or stainless steel
Plunger: Beryllium copper or steel, gold plated over nickel
Receptacle: Nickel/silver, gold plated; gold plated post

ICT-100 Probe



R-100 Receptacle

R Series RX Series

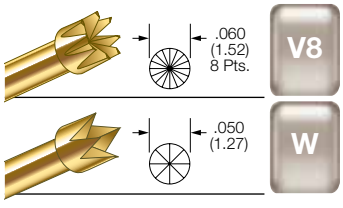


Drill Size: #50
Mounting Hole Size: .068/.070 (1.73/1.78)
Recommended Wire: 22-26 gage

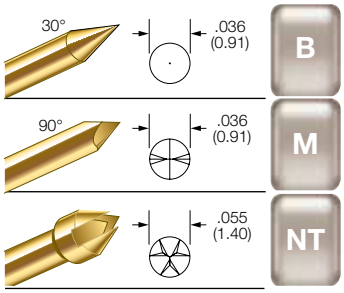
Receptacle Options

Part Number	Style	Receptacle Length	Probe/Receptacle Combined Length	Comments
R-100-CR	Crimp	1.165 (29.59)	1.495 (37.97)	—
R-100-SC	Solder Cup	1.165 (29.59)	1.495 (37.97)	—
R-100-RP	Round Post	1.540 (39.12)	1.870 (47.50)	.375 post length - .025 dia.
R-100-WW-429	Wire Wrap	1.594 (40.49)	1.924 (48.87)	.429 post length - .025 sq.
R-100-WW-694	Wire Wrap	1.859 (47.22)	2.189 (55.60)	.694 post length - .025 sq.
R-100-WW-1.044	Wire Wrap	2.209 (56.11)	2.539 (64.49)	1.044 post length - .025 sq.

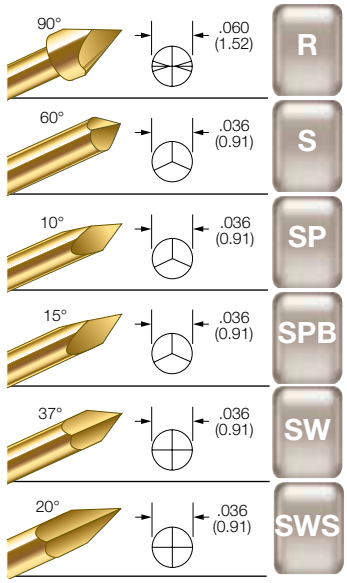
BeCu Plunger Tips



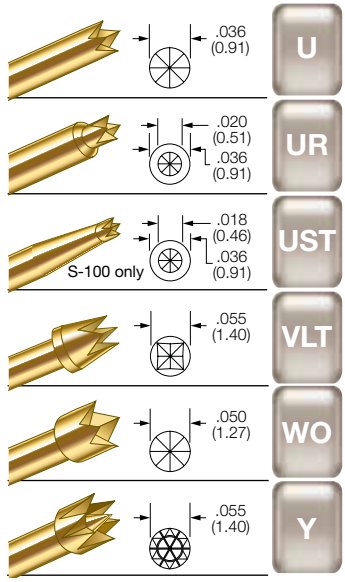
Steel Plunger Tips



Steel Plunger Tips



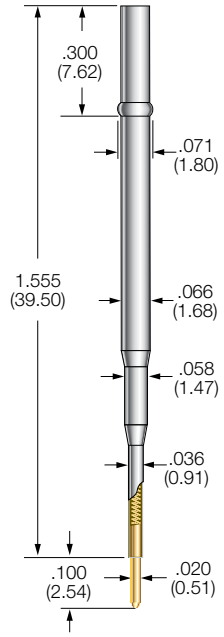
Steel Plunger Tips



Interconnect Devices, Inc. welcomes your e-mail at info@idinet.com

Wireless Receptacle

R-100-J-DE



Probe Specifications

Minimum Centers: .100 (2.54)
Drill Size: #50
Mounting Hole Size: .068/.070 (1.73/1.78)
Spring Force: 2.7 oz. (77g) @ .070 (1.77) travel
Maximum Travel: .100 (2.54)
Working Travel: .070 (1.77)

Materials

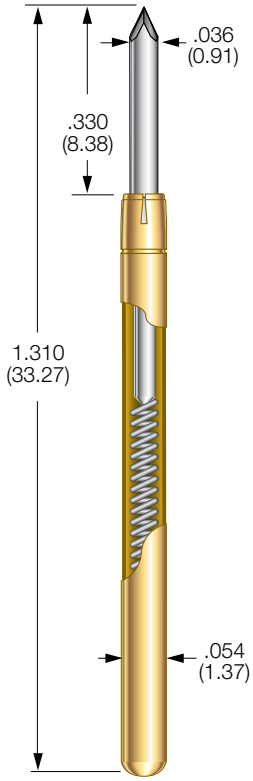
Receptacle: Nickel/silver, gold lined inside
Spring: Music wire, gold plated
Plunger: Beryllium copper, gold plated over nickel

How to Order

R	100	J	DE
Series	Size	Tip Style	Termination

Lead Free Test Probe

ICT-100-LF Probe



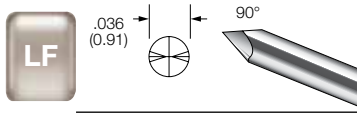
Probe Specifications

Minimum Centers: .100 (2.54)
Current Rating: 3 amps continuous
Spring Force: 8.0 oz. @ .170 (4.32) travel
Typical Resistance: < 30 mΩ against a lead free surface
Maximum Travel: .250 (6.35)
Working Travel: .170 (4.32)

Materials

Barrel: G2
Spring: Music wire, nickel plated
Plunger: Steel, Duralloy™ plated

Plunger Tip



How to Order

ICT	100	LF	8	D	S
Series	Size	Tip Style	Spring Force	Plating Options	Steel Plunger Option

How to Order: Spring Contact Probe

ICT	100	T	5.5	G	S
Series	Size	Tip Style	Spring Force	Plating Options	Steel Plunger Option

Series:
ICT: High Performance
S: Standard Performance (No Bifurcated Beam)

Crimping pliers: CPR100
Insertion tool: RTR100

Spring Force:
3.5 oz. @ .170 (4.32) travel*
5.5 oz. @ .170 (4.32) travel
6.7 oz. @ .170 (4.32) travel
8.0 oz. @ .170 (4.32) travel
10.0 oz. @ .170 (4.32) travel
17.0 oz. @ .170 (4.32) travel
*S-100 Series only

Receptacle

R	100	WW	429
Series	Size	Termination	Post Length

Series:
R: High Performance
RX: Improved Pointing Accuracy

Termination:
CR: Crimp
SC: Solder Cup
RP: Round Post
WW: Wire Wrap

Post Length:
WW: 429, 694 or 1.044

View updates of this information at www.idinet.com

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