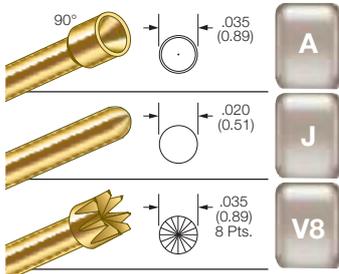
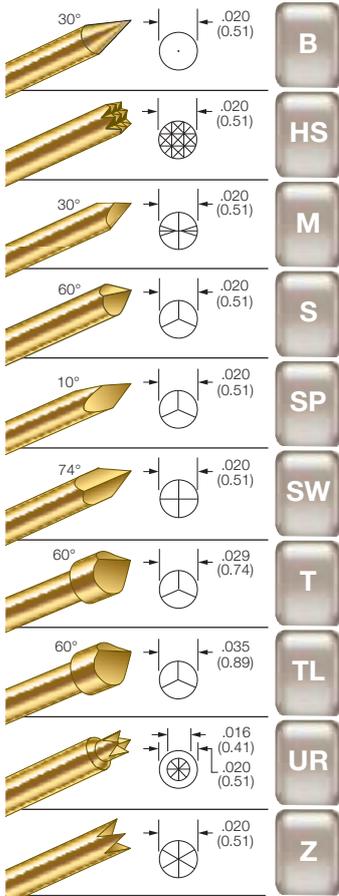


ICT-50J and S-50J Size 50J - .050 Centers

BE Cu PLUNGER TIPS



STEEL PLUNGER TIPS



PROBE SPECIFICATIONS

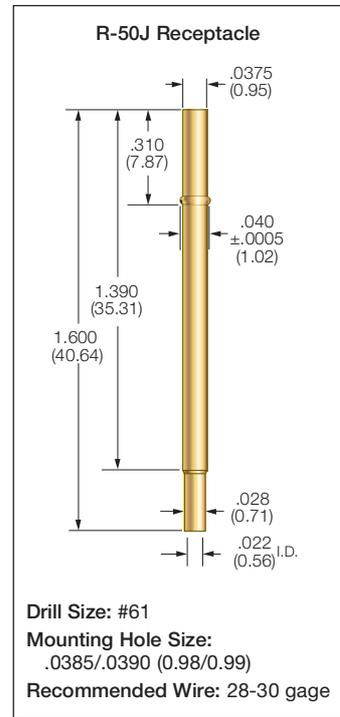
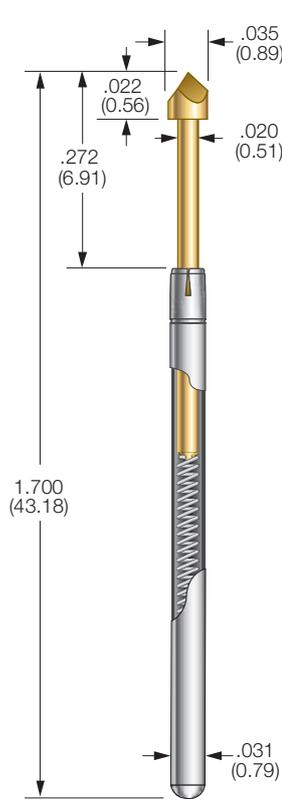
Minimum Centers: .050 (1.27)
Current Rating: 3 amps continuous
Spring Force: 4.0, 5.6, 7.0 or 10.0 oz. @ .170 (4.32) travel
Typical Resistance:
 < 20 mΩ for ICT-50J
 < 25 mΩ for S-50J
Maximum Travel: .250 (6.35)
Working Travel: .170 (4.32)

Rated Force oz. (g)	Preload oz. (g)	Material
4.0 (113)	1.8 (51)	SS
5.6 (159)	2.5 (71)	SS
7.0 (198)	3.1 (88)	MW
10.0 (283)	4.6 (130)	MW

MATERIALS

Barrel: Nickel/silver, gold lined
Spring: Music wire, nickel plated or stainless steel
Plunger: Beryllium copper or steel, gold plated over nickel
Receptacle: Beryllium copper, preplated gold, gold plated post
Terminal: Beryllium copper, preplated gold

ICT-50J/S-50J PROBE



RECEPTACLE OPTIONS				
Part Number	Style	Receptacle Length	Probe/Receptacle Combined Length	Comments
R-50J-CR	Crimp	1.600 (40.64)	1.910 (48.51)	—
R-50J-SC	Solder Cup	1.600 (40.64)	1.910 (48.51)	—
R-50J-WW-016	Wire Wrap	1.850 (46.99)	2.160 (54.86)	.250 post length - .016 sq.
R-50J-WW-025	Wire Wrap	1.900 (48.26)	2.210 (56.13)	.300 post length - .025 sq.
R-50J-DS	Duraseal®	1.600 (40.64)	1.910 (48.51)	30 gage wire, vacuum sealed*
R-50J-WT	Plug-In Receptacle	1.600 (40.64)	1.910 (48.51)	For use with FP-Plug plug-in terminal
FP-Plug	Plug-In Terminal	—	—	Plugs into R-50J-WT receptacle *

* Unless otherwise specified, wire length 36", strip length 1", 30 gage Kynar

HOW TO ORDER: SPRING CONTACT PROBE

ICT	50J	T	5.6	DG	S
SERIES	SIZE	TIP STYLE	SPRING FORCE	PLATING OPTIONS	STEEL PLUNGER OPTION

SERIES:
 ICT: HIGH PERFORMANCE
 S: STANDARD PERFORMANCE,
 (NO BIFURCATED BEAM)

SPRING FORCE:
 4.0 oz. @ .170 (4.32) TRAVEL
 5.6 oz. @ .170 (4.32) TRAVEL
 7.0 oz. @ .170 (4.32) TRAVEL
 10.0 oz. @ .170 (4.32) TRAVEL

CRIMPING PLIERS: CPR50J
INSERTION TOOL: RTR50J

RECEPTACLE

R	50J	CR
SERIES	SIZE	TERMINATION

TERMINATIONS:
 CR: CRIMP
 SC: SOLDER CUP
 WW-016: WIRE WRAP .016 SQ
 WW-025: WIRE WRAP .025 SQ

DS: DURASEAL*
WT: PLUG-IN RECEPTACLE**

* UNLESS OTHERWISE SPECIFIED, WIRE LENGTH 36", STRIP LENGTH 1", 30 GAGE KYMAR. 12" & 36" STANDARD.

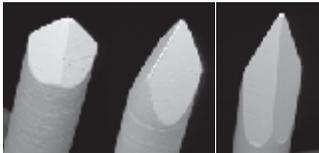
** FOR USE WITH FP-PLUG PLUG-IN TERMINAL. 12" & 36" STANDARD.

VIEW UPDATES OF THIS INFORMATION AT WWW.IDINET.COM

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

OPTIMIZED TIP GEOMETRY FOR LEAD FREE TESTING

IDI has invested significantly in the discovery of the ideal tip for lead-free applications. IDI's research and testing laboratory, the industry's most advanced, developed a special test system which permitted IDI to compare the performance of various tip styles when cycled against matte tin, the most aggressive test contact material in terms of contamination and rapid tip wear. Through this process, the obtuse blade ('LF') tip showed itself to be by far the most reliable—its rugged shape retains its integrity far longer than more acute designs.

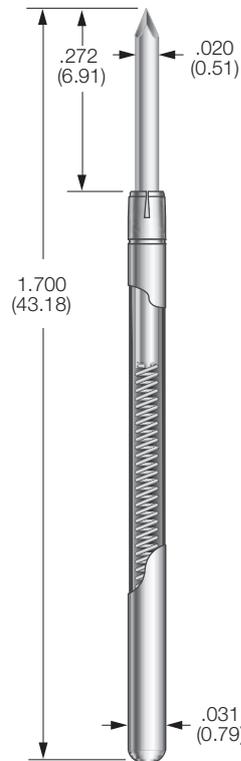


Obtuse blade 15° 3-sided chisel Acute dagger

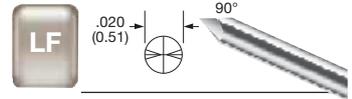
IDI's unique Duralloy™ plating provides a clear advantage over competitors. Duralloy is noble and is exceptionally resistant to corrosion and oxidation. It remains bright and untarnished in atmospheric exposure. Duralloy is extremely smooth when plated and does not develop microcracks. It is very thick and completely nonporous. This surface greatly contributes to Duralloy's ability to resist corrosion and limit wear. Duralloy is slightly more resistive than gold, and is not recommended for extremely sensitive measurements.

LEAD FREE TEST PROBE

ICT-50J-LF PROBE



STEEL PLUNGER TIP



PROBE SPECIFICATIONS

Minimum Centers: .050 (1.27)
Current Rating: 3 amps continuous
Spring Force: 7.0 oz. @ .170 (4.32) travel
Typical Resistance: < 60 mΩ against a lead free surface
Maximum Travel: .250 (6.35)
Working Travel: .170 (4.32)

MATERIALS

Barrel: Nickel/silver, gold lined
Spring: Music wire, nickel plated
Plunger: Steel, Duralloy™ plated

HOW TO ORDER

ICT	50J	LF	7	DGD	S
SERIES	SIZE	TIP STYLE	SPRING FORCE	PLATING OPTIONS	STEEL PLUNGER

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