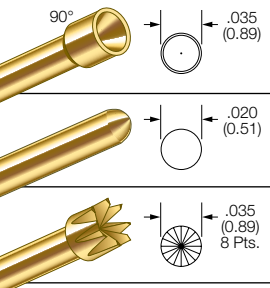


ICT-50J and S-50J Size 50J - .050 Centers

BeCu PLUNGER TIPS

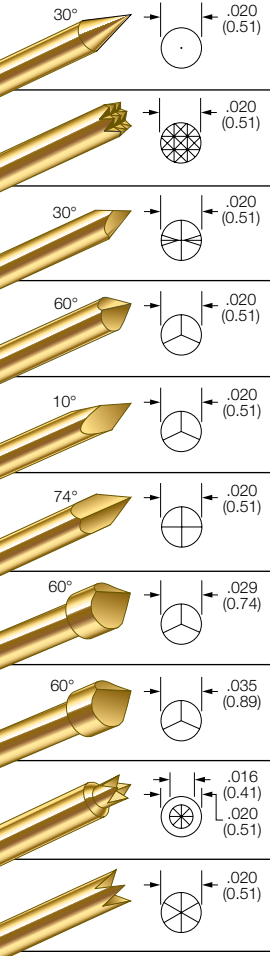


A

J

V8

STEEL PLUNGER TIPS



B

HS

M

S

SP

SW

T

TL

UR

Z

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

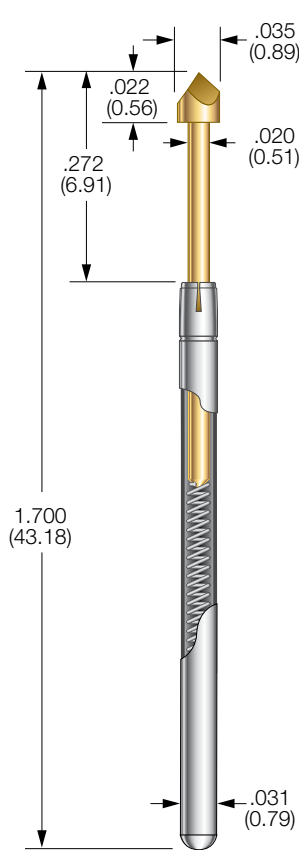
Spring: Music wire, nickel plated or stainless steel

Plunger: Beryllium copper or steel, gold plated over nickel

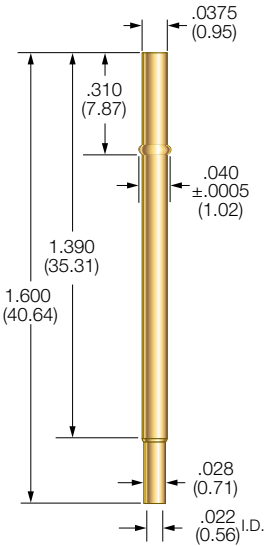
Receptacle: Beryllium copper, preplated gold, gold plated post

Terminal: Beryllium copper, preplated gold

ICT-50J/S-50J PROBE



R-50J Receptacle



Drill Size: #61

Mounting Hole Size:
.0385/.0390 (0.98/0.99)

Recommended Wire: 28-30 gage

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)

CRIMPING PLIERS: CPR50J
INSERTION TOOL: RTR50J

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

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 KYNAR. 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)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Smiths Interconnect:

[R-50J-SC](#) [S-50J-R-5.6-DG-S](#) [ICT-50J-B-5.6-GS](#) [S-50J-J-4-DG](#) [R-50J-WW-025](#) [RJ-0-WW-025](#) [R-50J-WW-016](#) [RJ-0-WW-016](#) [ICT-50J-B-10-DG-S](#) [ICT-50J-B-5.6-DG-S](#) [S-50J-A-10-DG](#) [S-50J-A-7-DG](#) [S-50J-A-5.6-DG](#) [S-50J-A-4-DG](#) [S-50J-B-10-DG-S](#) [S-50J-B-7-DG-S](#) [S-50J-B-5.6-DG-S](#) [S-50J-B-4-DG-S](#) [S-50J-HS-10-DG-S](#) [S-50J-HS-5.6-DG-S](#) [S-50J-J-10-DG](#) [S-50J-J-7-DG](#) [S-50J-J-5.6-DG](#) [S-50J-M-10-DG-S](#) [S-50J-M-7-DG-S](#) [S-50J-M-7-DGD-S](#) [S-50J-M-5.6-DG-S](#) [S-50J-M-4-DG-S](#) [S-50J-R-10-DG-S](#) [S-50J-R-7-DG-S](#) [S-50J-R-4-DG-S](#) [S-50J-SW-10-DG-S](#) [S-50J-SW-7-DG-S](#) [S-50J-SW-5.6-DG-S](#) [S-50J-SW-4-DG-S](#) [S-50J-SP-10-DG-S](#) [S-50J-SP-7-DG-S](#) [S-50J-SP-5.6-DG-S](#) [S-50J-SP-4-DG-S](#) [S-50J-T-10-DG-S](#) [S-50J-T-7-DG-S](#) [S-50J-T-5.6-DG-S](#) [S-50J-TL-10-DG-S](#) [S-50J-TL-7-DG-S](#) [S-50J-TL-5.6-DG-S](#) [S-50J-TL-4-DG-S](#) [S-50J-V8-10-DG](#) [S-50J-V8-7-DG](#) [S-50J-V8-5.6-DG](#) [S-50J-V8-4-DG](#) [S-50J-Z-10-DG-S](#) [S-50J-Z-7-DG-S](#) [S-50J-Z-5.6-DG-S](#) [S-50J-Z-4-DG-S](#) [S-50J-C-10-DG](#) [S-50J-C-5.6-DG](#) [S-50J-C-4-DG](#) [S-50J-U-10-DG-S](#) [S-50J-U-7-DG-S](#) [S-50J-U-5.6-DG-S](#) [S-50J-U-4-DG-S](#) [S-50J-T-4-DG-S](#) [S-50J-HS-7-DG-S](#) [S-50J-HS-4-DG-S](#)