

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

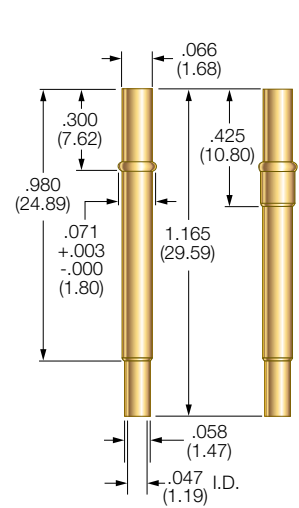
MATERIALS

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



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



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

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

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

Mouser Electronics

Authorized Distributor

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[Smiths Interconnect:](#)

[ICT-100-D-6.7-G S/C](#) [ICT-100-SP-8-G-S S/C](#) [RX-100-WW-694](#) [RX-25-WW-694](#) [RX-100-WW-1.044](#) [RX-25-WW-1.044](#)
[ICT-100-A-10-G S/C](#) [ICT-100-A-17-G S/C](#) [ICT-100-A-6.7-G S/C](#) [ICT-100-A-8-G S/C](#) [ICT-100-B-10-G S/C](#) [ICT-100-B-10-G-S S/C](#) [ICT-100-B-17-G S/C](#) [ICT-100-B-17-G-S S/C](#) [ICT-100-B-5.5-G S/C](#) [ICT-100-B-5.5-G-S S/C](#) [ICT-100-B-8-G S/C](#) [ICT-100-B-8-G-S S/C](#) [ICT-100-D-10-G S/C](#) [ICT-100-D-17-G S/C](#) [ICT-100-D-5.5-G S/C](#) [ICT-100-D-8-G S/C](#) [ICT-100-F-10-G S/C](#) [ICT-100-F-17-G S/C](#) [ICT-100-F-5.5-G S/C](#) [ICT-100-F-6.7-G S/C](#) [ICT-100-F-8-G S/C](#) [ICT-100-H-10-G S/C](#) [ICT-100-H-17-G S/C](#) [ICT-100-HK-10-G S/C](#) [ICT-100-HK-17-G S/C](#) [ICT-100-HK-5.5-G S/C](#) [ICT-100-HK-8-G S/C](#) [ICT-100-HL-10-G S/C](#) [ICT-100-HL-17-G S/C](#) [ICT-100-HSC-10-G S/C](#) [ICT-100-HSC-17-G S/C](#) [ICT-100-HSC-5.5-G S/C](#) [ICT-100-HSC-8-G S/C](#) [ICT-100-K-10-G S/C](#) [ICT-100-K-17-G S/C](#) [ICT-100-K-6.7-G S/C](#) [ICT-100-K-8-G S/C](#) [ICT-100-M-10-G-S S/C](#) [ICT-100-M-17-G-S S/C](#) [ICT-100-M-8-G-S S/C](#) [ICT-100-NT-8-G-S S/C](#) [ICT-100-SP-5.5-G-S S/C](#) [ICT-100-SWS-8-G-S S/C](#) [ICT-100-T-10-G S/C](#) [ICT-100-T-17-G S/C](#) [ICT-100-T-6.7-G S/C](#) [ICT-100-T-8-G S/C](#) [ICT-100-U-10-G-S S/C](#) [ICT-100-U-17-G-S S/C](#) [ICT-100-U-6.7-G-S S/C](#) [ICT-100-U-8-G-S S/C](#) [ICT-100-UR-8-G-S S/C](#) [ICT-100-V-10-G S/C](#) [ICT-100-V-17-G S/C](#) [ICT-100-V-5.5-G S/C](#) [ICT-100-V-6.7-G S/C](#) [ICT-100-V8-10-G S/C](#) [ICT-100-V8-17-G S/C](#) [ICT-100-V8-5.5-G S/C](#) [ICT-100-V8-6.7-G S/C](#) [ICT-100-V8-8-G S/C](#) [ICT-100-V-8-G S/C](#) [ICT-100-W-10-G S/C](#) [ICT-100-W-17-G S/C](#) [ICT-100-W-5.5-G S/C](#) [ICT-100-W-6.7-G S/C](#) [ICT-100-W-8-G S/C](#) [ICT-100-WO-5.5-G-S S/C](#) [ICT-100-WO-6.7-G-S S/C](#) [ICT-100-WO-8-G-S S/C](#) [ICT-100-Y-10-G-S S/C](#) [ICT-100-Y-17-G-S S/C](#) [ICT-100-Y-5.5-G-S S/C](#) [ICT-100-Y-6.7-G-S S/C](#) [ICT-100-Y-8-G-S S/C](#) [ICT-100-M-10-G-S](#) [ICT-100-M-8-G-S](#) [ICT-100-V-5.5-G](#) [ICT-100-B-10-G](#) [ICT-100-V-17-G](#) [ICT-100-V-6.7-G](#) [ICT-100-Y-17-G-S](#) [ICT-100-A-17-G](#) [ICT-100-B-8-G](#) [ICT-100-F-10-G](#) [ICT-100-Y-8-G-S](#) [ICT-100-Y-5.5-G-S](#) [ICT-100-HSC-10-G](#) [ICT-100-V8-5.5-G](#) [ICT-100-W-6.7-G](#) [ICT-100-K-17-G](#) [ICT-100-U-17-G-S](#) [ICT-100-W-5.5-G](#) [ICT-100-H-10-G](#) [ICT-100-M-17-G-S](#) [ICT-100-B-8-G-S](#)