

# 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

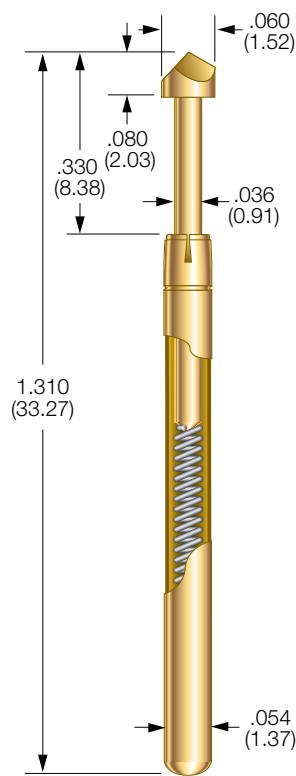
**Barrel:** G2

**Spring:** Beryllium copper, music wire, nickel plated or stainless steel

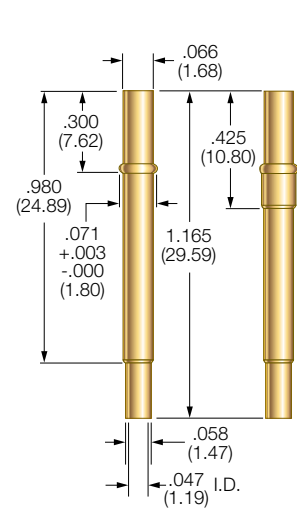
**Plunger:** Beryllium copper or steel, gold plated over nickel

**Receptacle:** Nickel/silver, gold plated; gold plated post

## ICT-100 PROBE



## R-100 Receptacle



**Drill Size:** #50

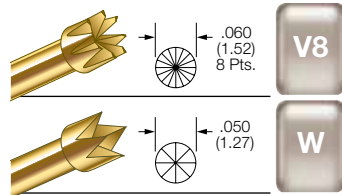
**Mounting Hole Size:** .068/.070 (1.73/1.78)

**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. |

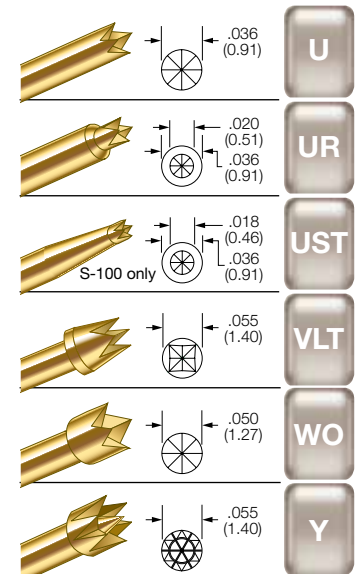
## BeCu PLUNGER TIPS



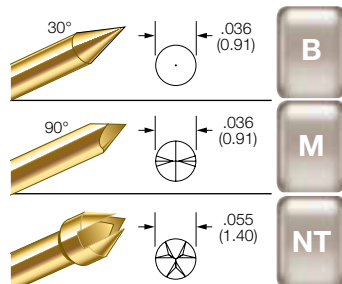
## STEEL PLUNGER TIPS



## 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

|          |            |           |             |
|----------|------------|-----------|-------------|
| <b>R</b> | <b>100</b> | <b>J</b>  | <b>DE</b>   |
| 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

|            |            |           |              |                 |                      |
|------------|------------|-----------|--------------|-----------------|----------------------|
| <b>ICT</b> | <b>100</b> | <b>LF</b> | <b>8</b>     | <b>D</b>        | <b>S</b>             |
| SERIES     | SIZE       | TIP STYLE | SPRING FORCE | PLATING OPTIONS | STEEL PLUNGER OPTION |

## HOW TO ORDER: SPRING CONTACT PROBE

|            |            |           |              |                 |                      |
|------------|------------|-----------|--------------|-----------------|----------------------|
| <b>ICT</b> | <b>100</b> | <b>T</b>  | <b>5.5</b>   | <b>G</b>        | <b>S</b>             |
| 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

|          |            |             |             |
|----------|------------|-------------|-------------|
| <b>R</b> | <b>100</b> | <b>WW</b>   | <b>429</b>  |
| 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](http://WWW.IDINET.COM)

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

# Mouser Electronics

Authorized Distributor

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