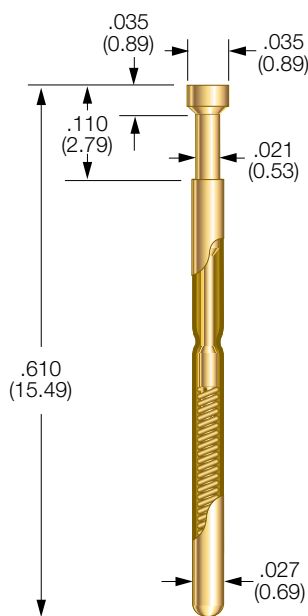
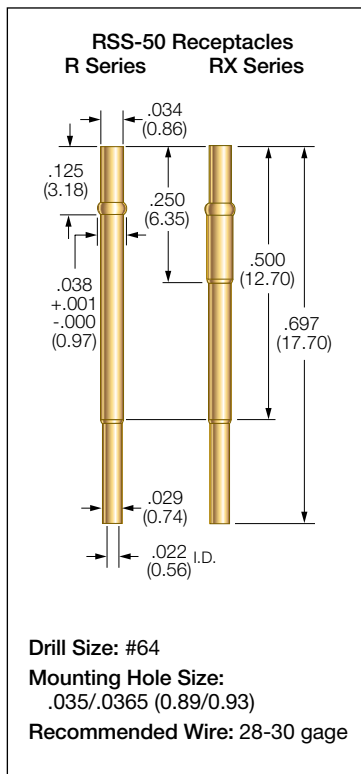


# .050 Centers - Size 50 Series SS

## SS-50 PROBE



## PROBE SPECIFICATIONS

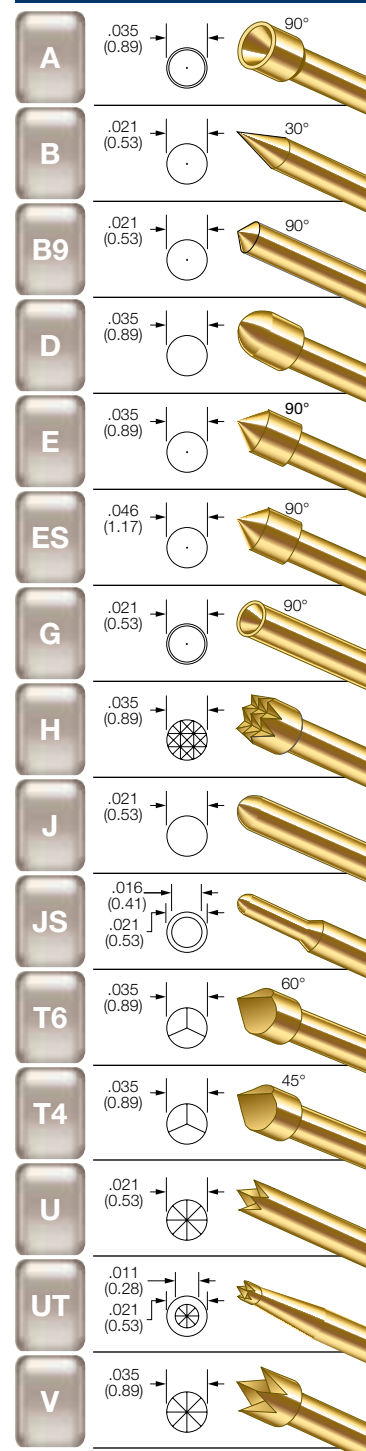
**Minimum Centers:** .050 (1.27)  
**Current Rating:** 3 amps continuous  
**Spring Force:** 2.9, 3.3 or 5.1 oz. @ .050 (1.27) travel  
**Typical Resistance:** < 35 mΩ  
**Maximum Travel:** .070 (1.78)  
**Working Travel:** .050 (1.27)

| Rated Force<br>oz. (g) | Preload<br>oz. (g) | Material |
|------------------------|--------------------|----------|
| 2.9 (82)               | 1.1 (31)           | BeCu     |
| 3.3 (94)               | 1.7 (48)           | SS       |
| 5.1 (145)              | 1.5 (42)           | MW       |

## MATERIALS

**Barrel:** Nickel/silver, gold plated  
**Spring:** Beryllium copper, stainless steel or music wire, gold plated  
**Plunger:** Beryllium copper, gold plated over nickel or Duralloy™  
**Receptacle:** Nickel/silver, gold plated, gold plated post  
**Plug-In Terminal:** Beryllium copper, preplated gold

## BeCu PLUNGER TIPS



## RECEPTACLE OPTIONS

| Part Number   | Style              | Receptacle Length | Probe/Receptacle Combined Length | Comments                          |
|---------------|--------------------|-------------------|----------------------------------|-----------------------------------|
| RSS-50-CR     | Crimp              | 0.697 (17.70)     | 0.807 (20.50)                    | —                                 |
| RSS-50-SC     | Solder Cup         | 0.697 (17.70)     | 0.807 (20.50)                    | —                                 |
| RSS-50-WW-016 | Wire Wrap          | 0.947 (24.05)     | 1.057 (26.85)                    | .250 post length - .016 sq.       |
| RSS-50-WW-025 | Wire Wrap          | 0.997 (25.32)     | 1.107 (28.12)                    | .300 post length - .025 sq.       |
| RSS-50-PW     | Preattached Wire   | 0.697 (17.70)     | .807 (20.50)                     | 30 gage - non vacuum sealed*      |
| RSS-50-DS     | Duraseal®          | 0.697 (17.70)     | .807 (20.50)                     | 30 gage - vacuum sealed*          |
| RSS-50-WT     | Plug-In Receptacle | 0.697 (17.70)     | .807 (20.50)                     | For use with FP-Plug terminal     |
| FP-Plug       | Plug-In Terminal   | —                 | —                                | Plugs into R-SS-50-WT receptacle* |

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

## HOW TO ORDER: SPRING CONTACT PROBE

|           |           |           |              |                 |
|-----------|-----------|-----------|--------------|-----------------|
| <b>SS</b> | <b>50</b> | <b>A</b>  | <b>2.9</b>   | <b>G</b>        |
| SERIES    | SIZE      | TIP STYLE | SPRING FORCE | PLATING OPTIONS |

**SERIES:**  
SS: STANDARD  
SSX: IMPROVED POINTING ACCURACY

**SPRING FORCE:**  
2.9 oz. @ .050 (1.27) TRAVEL  
3.3 oz. @ .050 (1.27) TRAVEL  
5.1 oz. @ .050 (1.27) TRAVEL

**PLATING OPTIONS:**  
G: GOLD PLATED PLUNGER  
D: DURALLOY™ PLATED PLUNGER

**CRIMPING PLIERS:** CPSS50  
**INSERTION TOOL:** RTSS50  
**WIRE PLUG TOOL:** RTWT

## RECEPTACLE

|            |           |             |
|------------|-----------|-------------|
| <b>RSS</b> | <b>50</b> | <b>CR</b>   |
| SERIES     | SIZE      | TERMINATION |

**SERIES:**  
RSS: HIGH PERFORMANCE  
RXSS: IMPROVED POINTING ACCURACY

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

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

**TERMINATIONS:**  
CR: CRIMP  
SC: SOLDER CUP  
WW-016: WIRE WRAP .016 sq  
WW-025: WIRE WRAP .025 sq  
PW: PREATTACHED WIRE\*  
DS: DURASEAL\*  
WT: PLUG-IN RECEPTACLE\*\*

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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