

# .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 oz. (g) | Preload 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

**SS**   **50**   **A**   **2.9**   **G**  
SERIES      SIZE      TIP STYLE      SPRING FORCE      PLATING OPTIONS

SERIES:  
SS: STANDARD  
SSX: IMPROVED POINTING ACCURACY

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

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

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

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.

## RECEPTACLE

**RSS**   **50**   **CR**  
SERIES      SIZE      TERMINATION

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)