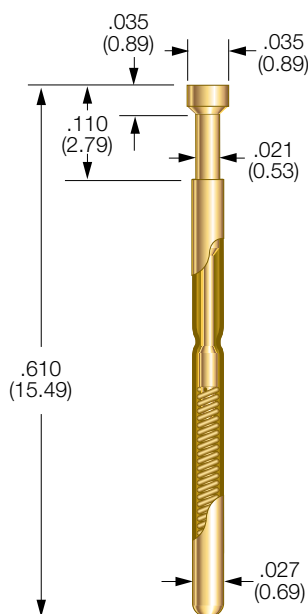
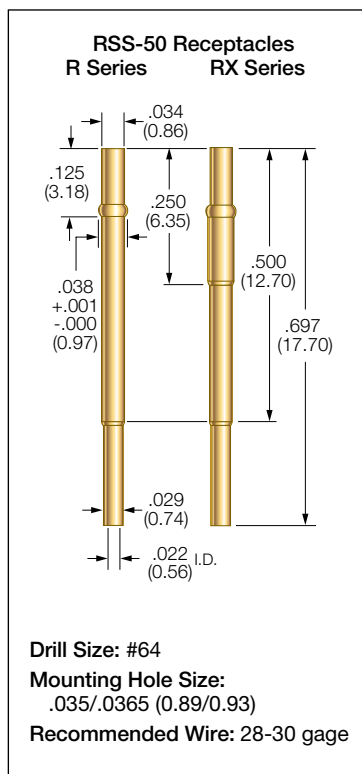


.050 Centers - Size 50 Series SS

SS-50 PROBE



PROBE SPECIFICATIONS

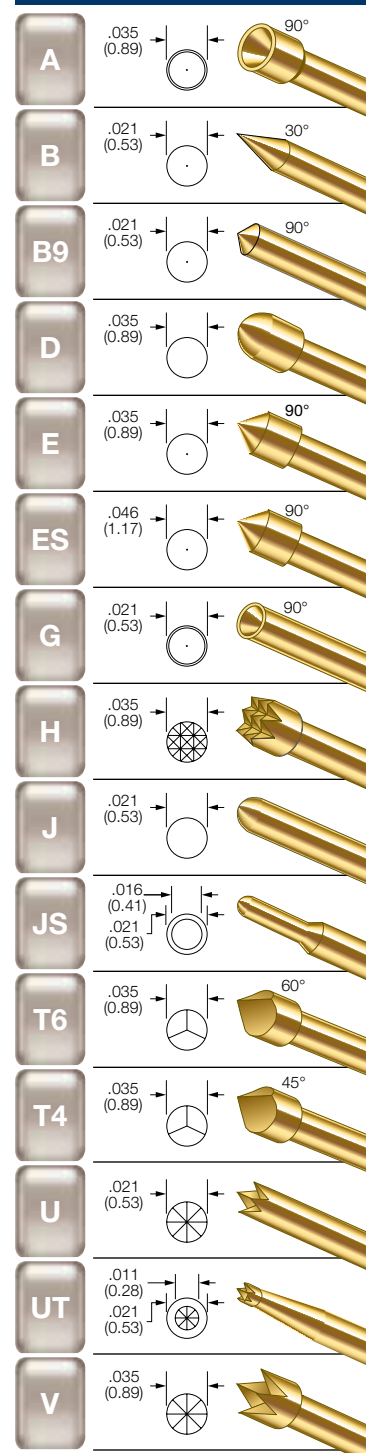
Minimum Centers: .050 (1.27)
Current Rating: 3 amps continuous
Spring Force: 2.9, 3.3 or 5.1 oz. @ .050 (1.27) travel
Typical Resistance: < 35 mΩ
Maximum Travel: .070 (1.78)
Working Travel: .050 (1.27)

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

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

RSS	50	CR
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

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

Mouser Electronics

Authorized Distributor

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

[Smiths Interconnect:](#)

[SS-50-B-2.9-G-D/C](#) [SS-50-ES-2.9-G D/C](#) [SS-50-A-2.9-D S/C](#) [SS-50-A-2.9-G S/C](#) [SS-50-A-3.3-D S/C](#) [SS-50-A-3.3-G S/C](#) [SS-50-A-5.1-D S/C](#) [SS-50-A-5.1-G S/C](#) [SS-50-B-2.9-D S/C](#) [SS-50-B-3.3-D S/C](#) [SS-50-B-3.3-G S/C](#) [SS-50-B-5.1-D S/C](#) [SS-50-B-5.1-G S/C](#) [SS-50-B9-2.9-D S/C](#) [SS-50-B9-2.9-G S/C](#) [SS-50-B9-3.3-D S/C](#) [SS-50-B9-3.3-G S/C](#) [SS-50-B9-5.1-D S/C](#) [SS-50-B9-5.1-G S/C](#) [SS-50-C-2.9-D S/C](#) [SS-50-C-2.9-G S/C](#) [SS-50-C-3.3-D S/C](#) [SS-50-C-3.3-G S/C](#) [SS-50-C-5.1-D S/C](#) [SS-50-C-5.1-G S/C](#) [SS-50-D-2.9-D S/C](#) [SS-50-D-3.3-D S/C](#) [SS-50-D-3.3-G S/C](#) [SS-50-D-5.1-D S/C](#) [SS-50-D-5.1-G S/C](#) [SS-50-E-2.9-D S/C](#) [SS-50-E-3.3-D S/C](#) [SS-50-E-3.3-G S/C](#) [SS-50-E-5.1-D S/C](#) [SS-50-E-5.1-G S/C](#) [SS-50-ES-2.9-D S/C](#) [SS-50-ES-3.3-G S/C](#) [SS-50-ES-5.1-G S/C](#) [SS-50-H-2.9-D S/C](#) [SS-50-H-2.9-G S/C](#) [SS-50-H-3.3-D S/C](#) [SS-50-H-3.3-G S/C](#) [SS-50-H-5.1-D S/C](#) [SS-50-H-5.1-G S/C](#) [SS-50-J-2.9-D S/C](#) [SS-50-J-3.3-D S/C](#) [SS-50-J-3.3-G S/C](#) [SS-50-J-5.1-D S/C](#) [SS-50-J-5.1-G S/C](#) [SS-50-JS-2.9-G S/C](#) [SS-50-JS-3.3-G S/C](#) [SS-50-JS-5.1-G S/C](#) [SS-50-T4-2.9-D S/C](#) [SS-50-T4-2.9-G S/C](#) [SS-50-T4-3.3-G S/C](#) [SS-50-T4-5.1-D S/C](#) [SS-50-T4-5.1-G S/C](#) [SS-50-T6-2.9-D S/C](#) [SS-50-T6-2.9-G S/C](#) [SS-50-T6-3.3-D S/C](#) [SS-50-T6-3.3-G S/C](#) [SS-50-T6-5.1-D S/C](#) [SS-50-T6-5.1-G S/C](#) [SS-50-U-2.9-D S/C](#) [SS-50-U-3.3-D S/C](#) [SS-50-U-3.3-G S/C](#) [SS-50-U-5.1-D S/C](#) [SS-50-U-5.1-G S/C](#) [SS-50-UT-2.9-D S/C](#) [SS-50-UT-2.9-G S/C](#) [SS-50-UT-3.3-D S/C](#) [SS-50-UT-3.3-G S/C](#) [SS-50-UT-5.1-G S/C](#) [SS-50-V-2.9-G S/C](#) [SS-50-V-3.3-G S/C](#) [SS-50-V-5.1-D S/C](#) [SS-50-V-5.1-G S/C](#) [RSS50SC](#) [SS-50-B-2.9-G](#) [SS-50-A-5.1-G](#) [SS-50-UT-5.1-G](#) [SS-50-D-3.3-G](#) [SS-50-H-2.9-D](#) [SS-50-E-2.9-D](#) [SS-50-B-5.1-D](#) [SS-50-V-5.1-G](#) [SS-50-ES-2.9-D](#) [SS-50-H-5.1-G](#) [SS-50-V-3.3-G](#) [SS-50-B9-3.3-D](#) [SS-50-C-2.9-D](#) [SS-50-D-5.1-D](#) [SS-50-A-2.9-G](#) [SS-50-B9-2.9-D](#) [SS-50-B9-5.1-G](#) [SS-50-UT-3.3-D](#) [SS-50-A-5.1-D](#) [SS-50-T4-2.9-D](#) [SS-50-B-5.1-G](#) [SS-50-T6-2.9-D](#)