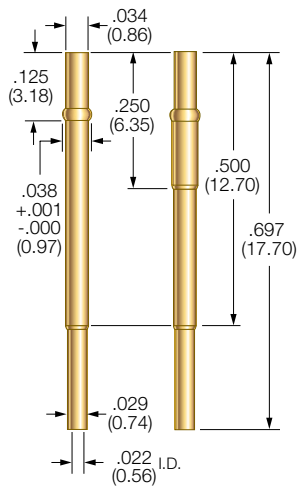
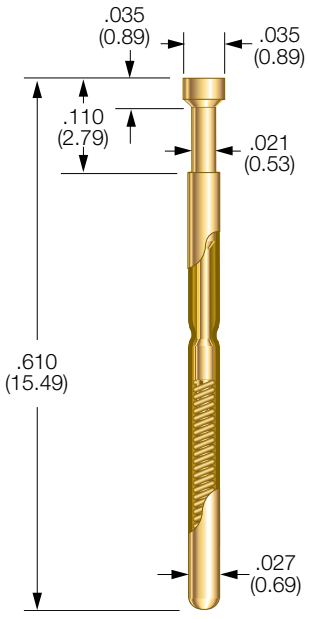
RSS-50 Receptacles
R Series RX Series



Drill Size: #64
Mounting Hole Size: .035/.0365 (0.89/0.93)
Recommended Wire: 28-30 gage

SS-50 Probe



Probe Specifications

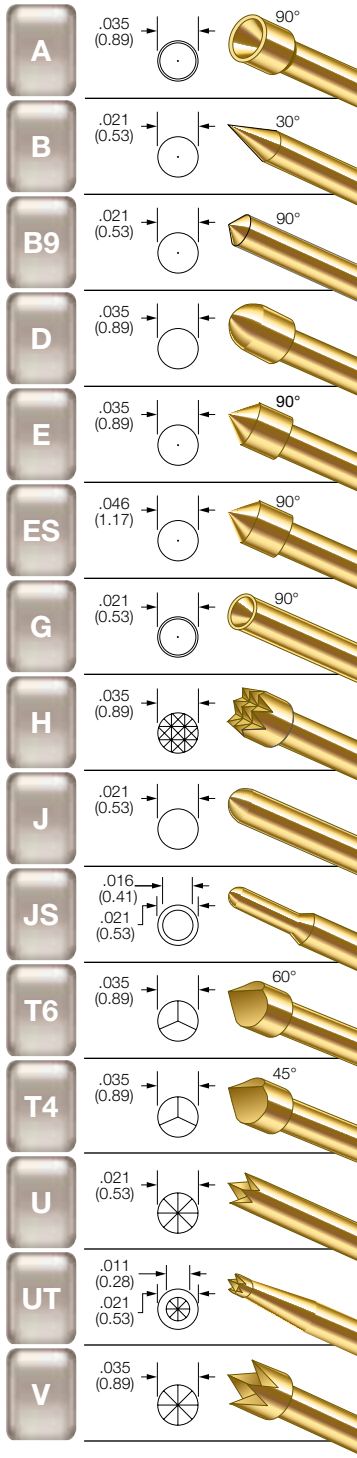
Minimum Centers: .050 (1.27)
Current Rating: 3 amps continuous
Spring Force: 2.9, 3.3 or 5.1 oz. @ .050 (1.27) travel
Typical Resistance: < 35 mΩ
Maximum Travel: .070 (1.78)
Working Travel: .050 (1.27)

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