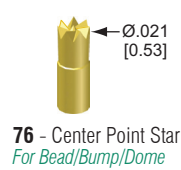
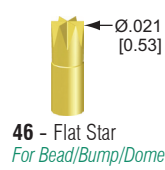
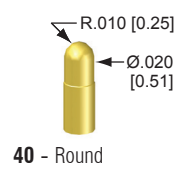
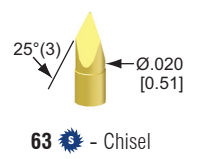
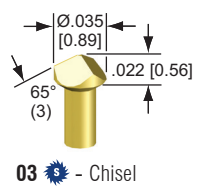
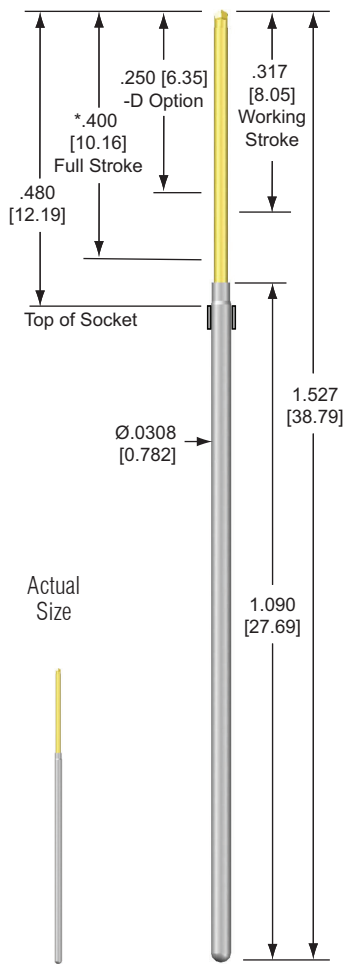
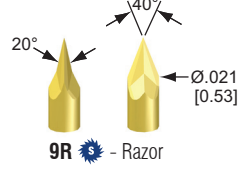
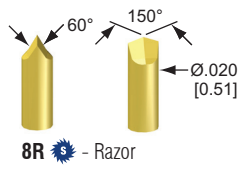
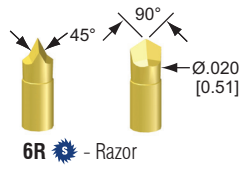


050-T40 SERIES | .050 [1.27] Centers | .400 [10.16] Full Stroke

Probe



Razor Sharp Tip Styles



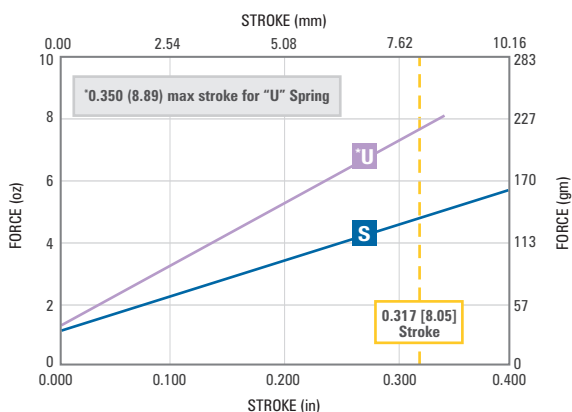
Probe P/N

050-PTP40 example: 050-PTP406RS-S

Tube	Letter	Material/Finish	Average Resistance	Current Rating ¹ SS @ 204°C		
P		Nickel silver/ID precious metal clad	< 35 mΩ	5.9 Amps		
Tip Style	Digits	Material/Finish				
See Tips		Standard material is heat treated BeCu/plated gold over nickel (see S option for steel plungers)				
Springs	Letter	Spring Force	Preload @ .317 [8.05] Stroke	Material	Cycle Life @ Stroke	
S		Standard	1.2 [34]	4.8 [136]	SS	100K @ .317 [8.05]
U ²		Ultra	1.3 [37]	7.5 [213]	SS	10K @ .317 [8.05]
Option	Letter	Description				
D		Decreased stroke is .250 [6.35]. Must select from 050-T25 series spring with this option				
N		No probe lubrication. Removing probe lubrication greatly reduces cycle life and should only be used in applications requiring operating temperatures below -55°C.				
S		Heat treated steel/plated gold over nickel (see tip style for availability)				
(Blank)		No option required				

¹ Current Rating is affected by spring material and lubrication choices. Standard lubrication has a 120 °C maximum operating temperature limit. Use SS springs with no lubrication (-N) for testing beyond standard lubrication temperature limits up to 204°C. Before using probes near these current limits, please refer to Current Carrying Capacity and Operating Temperature Application Notes.
² .350 [8.89] max stroke for U spring.

Spring Force

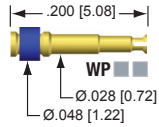


050-T40 SERIES

Suggested mounting holes and drill sizes in AT7000, G10/FR4 or similar materials should be gauged at:

Hole Size	Drill Size
.0380 / .0390 [0.965 / 0.991]	#61 or 1.0mm

Wire Plugs

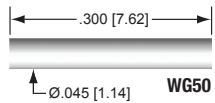


For use with P termination sockets.

P/N: WP example: WP30

Plug Size	Digits	Description
28		Brass/plated gold over nickel with red insulating sleeve. To accept 28 AWG Kynar insulated solid wire (not included), stripped at .120 [3.05]
30		Brass/plated gold over nickel with blue insulating sleeve. To accept 30 AWG Kynar insulated solid wire (not included), stripped at .120 [3.05]

Wire Grip Sleeve



For use with G termination sockets.

P/N: WG50

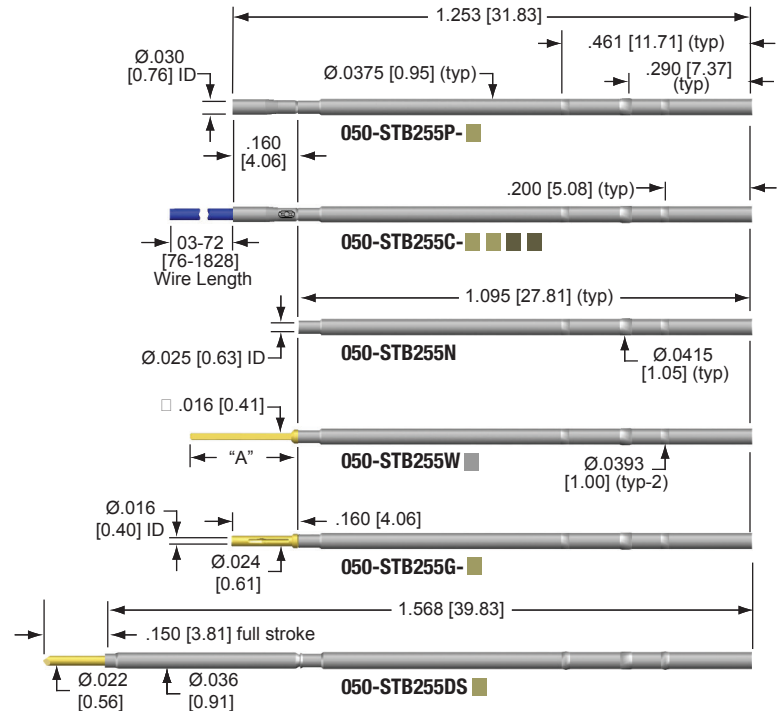
Description
To accept 28AWG or 30AWG Kynar solid insulated wire (not included), stripped at .120 [3.05]. Nylon sleeve, white

Tools & Accessories P/N

Pin Gauge:	PG050-25
Socket Installation Tool Adjustable:	AT50-KIT or AT50M-KIT
Socket Installation Tool Preset:	ITR050-FL* ITR050-SET .001 to .270 [0.03 to 6.86]*
Socket Extraction:	ETR050-25* ETR050-25-KIT (includes ITR050-FL & ETR050-25)
Probe Installation:	PT50/39
Probe Extraction:	PERX39/050 (not for use with headless tip styles)
Damaged Probe Tube Extraction:	TERX39/050*
Wire Plug Installation:	WTR30 or WTR28*
Wire Grip Installation:	GTR50*
Wire Strippers preset to .120 [3.05]:	WS30 or WS28
Socket Plug:	050-SPT

* Replaceable TIPS are available when applicable and noted above. Example ITR050-FL-TIP

Sockets



Socket P/N

050-STB255 example: 050-STB255C3630

Tube	Letter	Material/Finish								
	B	Heat treated BeCu/Nickel plated								
Termination	Letter	Description	A in (mm)							
	C	Crimp (specify wire size, color and length option)								
	DS	Double-ended for wireless testing. See page 38 for ordering details.								
	G	Wire grip; BeCu/gold plated over nickel. Accepts wire grip sleeve								
	N	No termination								
	P	Plug housing Stainless Steel/ID precious metal clad. Accepts wire plugs								
	W	Square wire wrap pin; BeCu/gold plated over nickel	.260 [6.60]							
	W1	Square wire wrap pin; BeCu/gold plated over nickel	.410 [10.41]							
Options	Digits	Description								
Available with P Termination Only										
	0	050-STB255P with WP30 wire plug								
	8	050-STB255P with WP28 wire plug								
Available with G Termination Only										
	3	050-STB255G with WG50 wire grip sleeve								
Options	Digits	Wire Size Available for C Termination								
	3	30 AWG Kynar insulated solid wire, pre-attached, specify color and length								
	8	28 AWG Kynar insulated solid wire, pre-attached, specify color and length								
	6	26 AWG Kynar insulated solid wire, pre-attached, specify color and length								
	(Blank)	No option required								
Options	Wire Color Available for C Termination									
	0	Black	2	Red	4	Yellow	6	Blue	8	Grey
	1	Brown	3	Orange	5	Green	7	Violet	9	White
Options	Wire Length Available for C Termination									
	Specify Length in inches: 03 - 72 [76-1828]									

US Patent No. 4,885,533 & 4,597,622

