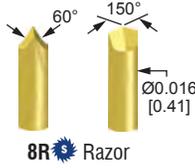


**RAZOR**



**SPEAR**



**CHISEL**

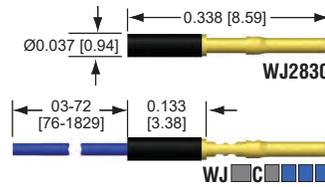


**CROWN**



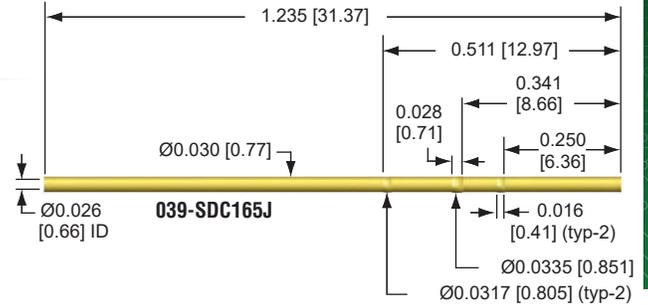
**WIRE JACK**

For use with J termination pins.



**SOCKETS**

Suggested mounting holes and drill sizes in AT7000, G10/FR4 or similar materials should be gauged at: 0.0307 / 0.0317 [0.780 / 0.805]; Drill Size #67 or 0.80mm



**SOCKET P/N 039-SDC165J**

Tube	Letter	Material/Finish
	C	Heat treated BeCu/gold plated over nickel
Term.	Letter	Description
	J	Wire Jack termination. Accepts wire jacks

US Patent No. 4,885,533

P/N: **WJ** [Color Code] - example: WJ28C8230

Digit	Description								
2830	Wire Jack only (customer to crimp wire) brass/gold plated with nylon insulator.								
28C8	28 AWG Kynar insulated solid wire, pre-attached, specify color and length.								
30C3	30 AWG Kynar insulated solid wire, pre-attached, specify color and length.								
Colors Available for 28C & 30C Termination									
0	Black	2	Red	4	Yellow	6	Blue	8	Gray
1	Brown	3	Orange	5	Green	7	Violet	9	White
Wire Length Available for 28C & 30C Termination									
	Specify Length in inches: 03 – 72 [76-1829]								
Option	Letter	Description							
	S	Stripped Length 0.000/0.669 [0.00/16.99]; Customer to specify in inches							

**PROBE P/N 039-PRP16** [Color Code] - example: 039-PRP1643X-S

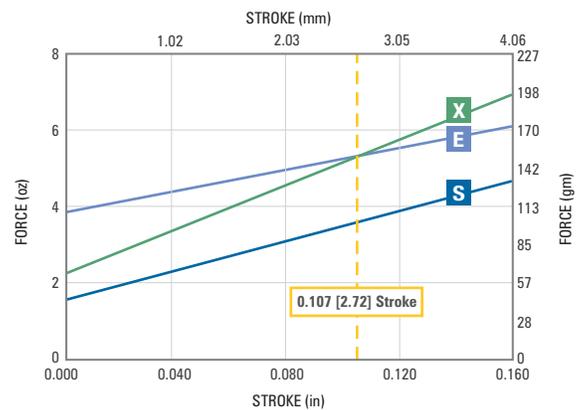
Tube	Letter	Material/Finish	Average Resistance	Current Rating AMPS <sup>1</sup> 120°C (204°C) <sup>3</sup>		
	P	Nickel silver/ID precious metal clad	< 165 mOhms	3.1 (4.2) <sup>3</sup>		
Tip Style	Digits	Material/Finish				
	See Tips	Heat treated steel/plated gold over nickel				
Springs	Letter	Spring Force	Preload	@ 0.107 [2.72] Stroke	Material	Cycle Life @ 0.107 [2.72] Stroke
	S	Standard	1.5 [43g/0.42N]	3.6 [102g/1.00N]	MW	1,000,000
	X	Extra	2.2 [62g/0.61N]	5.4 [153g/1.50N]	MW	75,000
	E	High Preload	3.8 [108g/1.06N]	5.4 [153g/1.50N]	MW	100,000
Option	Letter	Description				
	N	No probe lubrication. Removing lubrication greatly reduces cycle life and should only be used in applications outside of the working temperature range, see Testing in Extreme Working Temperatures application note for more details. <sup>3</sup>				
	S	Heat treated steel/plated gold over nickel (see tip style for availability)				
	(Blank)	No option required				

<sup>1</sup> Current rating is affected by spring material and lubrication choice. Please refer to Current Carrying Capacity and Testing in Extreme Working Temperature applications notes for more details.

<sup>2</sup> Maximum plunger OD should be used to calculate minimum guide plate clearance holes.

<sup>3</sup> Working Temperature Range: -45°C to 120°C with lubrication. SS springs can be used up to 204°C without lubrication.

**SPRING FORCE**



**TOOLS & ACCESSORIES**

See pages 75-79 for order information.

