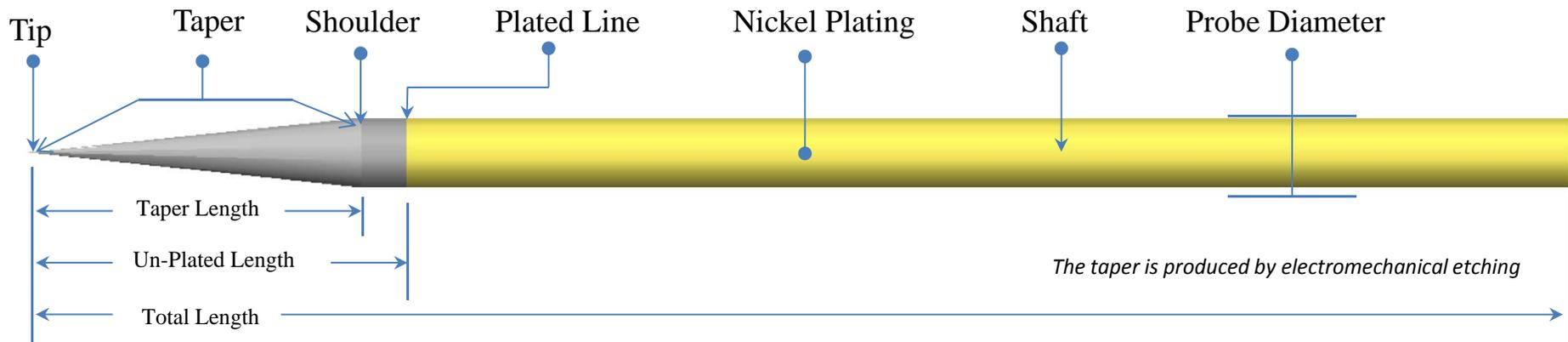


# Semiconductor Probe Pins: Part Number Definition, Material Properties and Measuring Specification

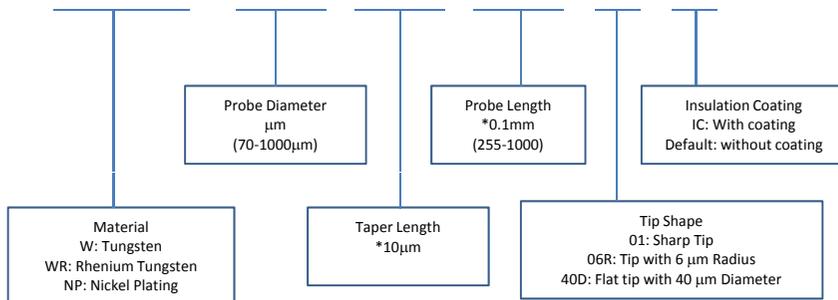


Material	Code	Density g/cm <sup>2</sup>	Resistivity μΩ/CM	Yield Strength MPa	Hardness Knoop	Modulus of Elasticity GPa	Composition
Tungsten	W	19.3	5.65	2600	740	400	Tungsten 99.95%
Rhenium Tungsten	WR	19.3	9.65	3200	780	410	Tungsten 97% Rhenium 3%

※Note: Due to the cold-working that occurs during the wire drawing process, the electrical, strength, and hardness values are dependent upon the wire diameter. Probe diameters used for testing the properties mentioned above are from 0.2mm-0.3mm.

## Example Part Number

**WRNP-250-250-760-01-IC**



## Taper Control

