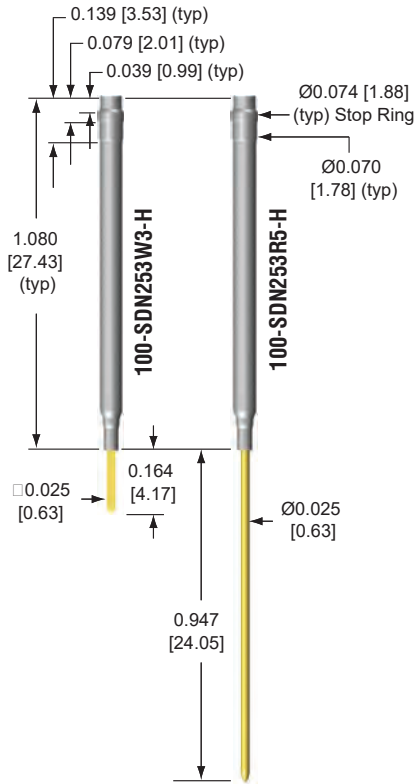


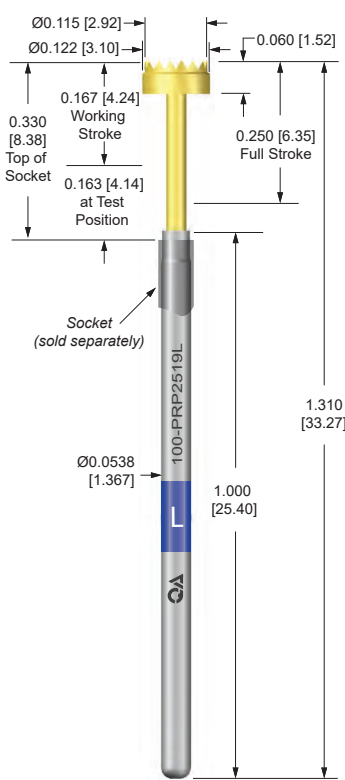


Tester Interface Probes

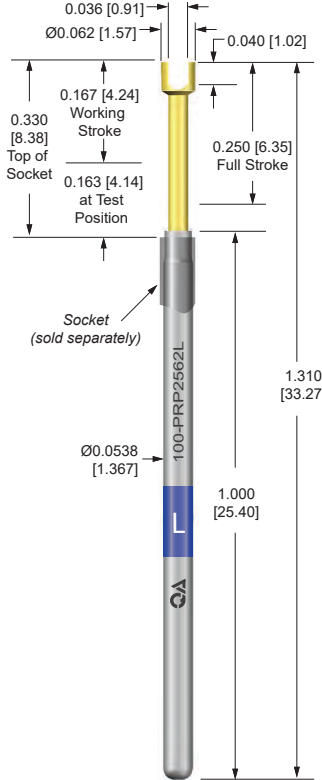
KEYSIGHT/AGILENT
100-SDN253 ■ ■ H



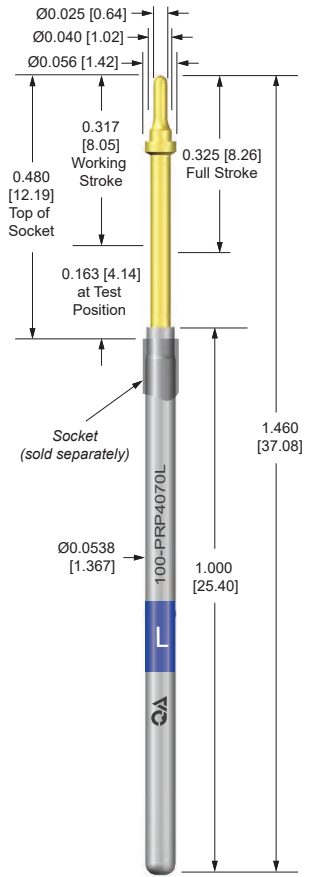
KEYSIGHT/AGILENT
100-PRP2519L



KEYSIGHT/AGILENT
100-PRP2562L



KEYSIGHT/AGILENT
100-PRP4070L



Interface Probes are used in testers for electromechanical contact between the fixture and tester. QA Technology has listed the part numbers that correspond with the applicable testers. These part numbers are QA's recommended direct replacements.

| KEYSIGHT/AGILENT | QA PROBE/SOCKET PART NUMBER |
|----------------------|-----------------------------|
| All 3070 ICT Testers | 100-PRP2519L/100-SDN253R5-H |
| Polarity Check | 100-PRP2562L/100-SDN253W3-H |
| Test Jet | 100-PRP4070L/100-SDN253W3-H |

P/N: 100-PRP2519L

| Tube | Letter | Material/Finish | Average Resistance | Current Rating AMPS ¹ 120°C (204°C) | | |
|-----------|--------|---|--------------------|---|----------|----------------------------------|
| | P | Nickel silver/ID precious metal clad | < 15 mOhms | 11.8 (16.2) | | |
| Tip Style | Digit | Material/Finish | | | | |
| | 19 | Heat treated BeCu/gold plated over nickel | | | | |
| Spring | Letter | Spring Force | Preload | @ 0.167 [4.24] Stroke | Material | Cycle Life @ 0.167 [4.24] Stroke |
| | L | Low | 1.3 [37g/0.36N] | 3.5 [99g/0.97N] | SS | 1,000,000 |

P/N: 100-PRP4070L

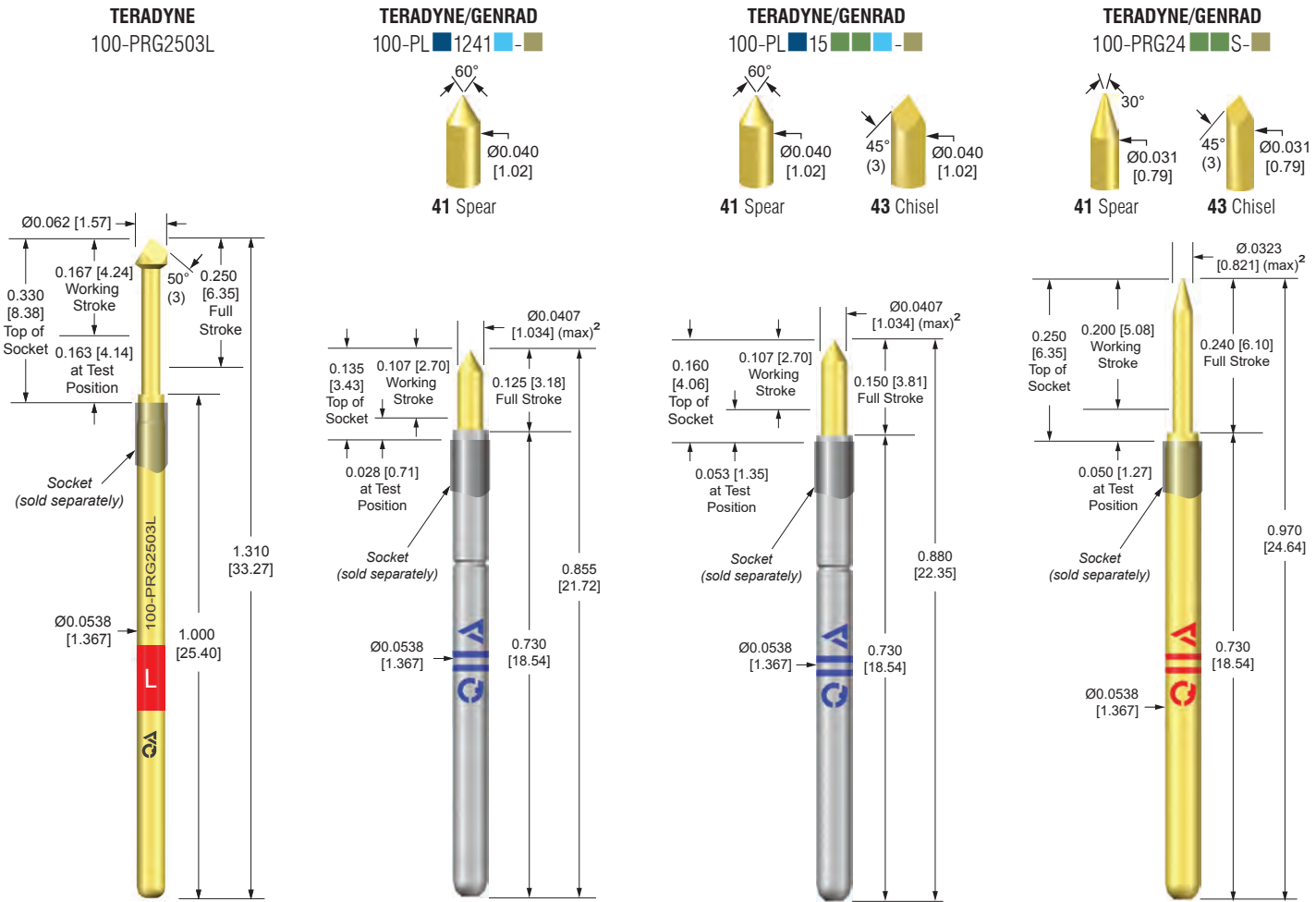
| Tube | Letter | Material/Finish | Average Resistance | Current Rating AMPS ¹ 120°C (204°C) | | |
|-----------|--------|---|--------------------|---|----------|----------------------------------|
| | P | Nickel silver/ID precious metal clad | < 20 mOhms | 10.2 (14.3) | | |
| Tip Style | Digit | Material/Finish | | | | |
| | 70 | Heat treated BeCu/gold plated over nickel | | | | |
| Spring | Letter | Spring Force | Preload | @ 0.317 [8.05] Stroke | Material | Cycle Life @ 0.317 [8.05] Stroke |
| | L | Low | 0.8 [23g/0.22N] | 3.0 [85g/0.83N] | MW | 1,000,000 |

P/N: 100-PRP2562L

| Tube | Letter | Material/Finish | Average Resistance | Current Rating AMPS ¹ 120°C (204°C) | | |
|-----------|--------|---|--------------------|---|----------|----------------------------------|
| | P | Nickel silver/ID precious metal clad | < 15 mOhms | 11.8 (16.2) | | |
| Tip Style | Digit | Material/Finish | | | | |
| | 62 | Heat treated BeCu/gold plated over nickel | | | | |
| Spring | Letter | Spring Force | Preload | @ 0.167 [4.24] Stroke | Material | Cycle Life @ 0.167 [4.24] Stroke |
| | L | Low | 1.3 [37g/0.36N] | 3.5 [99g/0.97N] | SS | 1,000,000 |

P/N: 100-PRG2503L

| Tube | Letter | Material/Finish | Average Resistance | Current Rating AMPS ¹ 120°C (204°C) | | |
|-----------|--------|---|--------------------|---|----------|----------------------------------|
| | G | Nickel silver/OD gold plated | < 15 mOhms | 12.3 (17.3) | | |
| Tip Style | Digit | Material/Finish | | | | |
| | 03 | Heat treated BeCu/gold plated over nickel | | | | |
| Spring | Letter | Spring Force | Preload | @ 0.167 [4.24] Stroke | Material | Cycle Life @ 0.167 [4.24] Stroke |
| | L | Low | 1.3 [37g/0.36N] | 3.5 [99g/0.97N] | SS | 1,000,000 |



| TERADYNE/GENRAD | QA PART NUMBER |
|--|--|
| 1800 Series 7878, 8852, 8855 | 100-PRG2503L See page 29 for sockets |
| 2270, 2271, 2272, 2282 (any model), 2283, 2284, 2286, 2287 built before 7/95 | 100-PLP1241S and/or 100-PLP1241S-B See page 29 for sockets |
| TS121, TS124, TS128, TS81, TS84, TS86, TS87, 2280, 2281, 2281a, 2287a 228x ICA (any model), 2283, 2284, 2286, 2287 built after 7/95 | 100-PLP1541S and/or 100-PLP1541S-B See page 29 for sockets |
| 2287L, 2287LX, TS87L, TS87LX, TS128L, TS124LX, TSLH, TSLX, TSH52, TSH51, TSMS, TSA, Tester model numbers ending in "L" (high density capacity) | 100-PRG2441S and/or 100-PLP1541S See page 29 for sockets |

P/N: 100-PL 1241 - 100-PL 15 - 100-PRG24 S

| Tube | Letter | Material/Finish | Average Resistance | | | | | |
|-----------|-------------------------|--|--------------------|-----------------------|------------|----------------------------------|----------------------------------|----------------------------------|
| | P | Nickel silver/ID precious metal clad | < 20 mOhms | < 20 mOhms | < 20 mOhms | NA | | |
| | G | Nickel silver/OD gold plated | < 25 mOhms | < 25 mOhms | < 25 mOhms | < 15 mOhms | | |
| N | Nickel silver/no finish | < 45 mOhms | < 45 mOhms | < 45 mOhms | NA | | | |
| Tip Style | Digits | Material/Finish | Average Resistance | | | | | |
| | 41 | Heat treated BeCu/gold plated over nickel, spear | 41 | 41 | 41 | 41 | | |
| | 43 | Heat treated BeCu/gold plated over nickel, chisel | NA | 43 | 43 | 43 | | |
| Spring | Letter | Spring Force | Preload | @ 0.107 [2.70] Stroke | Material | Cycle Life @ 0.107 [2.72] Stroke | Cycle Life @ 0.107 [2.72] Stroke | Cycle Life @ 0.200 [5.08] Stroke |
| | L | Low | 0.7 [20g/0.19N] | 1.5 [43g/0.42N] | SS | 1,000,000 | 1,000,000 | NA |
| | S | Standard | 1.7 [48g/0.47N] | 3.5 [99g/0.97N] | SS | 1,000,000 | 1,000,000 | NA |
| | S | Standard | 1.8 [51g/0.50N] | 3.5 [99g/0.97N] | SS | NA | NA | 1,000,000 |
| | H | High | 2.2 [62g/0.61N] | 5.5 [156g/1.53N] | MW | 1,000,000 | 1,000,000 | NA |
| | X | Extra | 3.0 [85g/0.83N] | 8.0 [227g/2.22N] | MW | 1,000,000 | 1,000,000 | NA |
| | U | Ultra | 4.5 [128g/1.25N] | 10.0 [283g/2.78N] | MW | 250,000 | 250,000 | NA |
| | B | High Preload | 2.0 [57g/0.56N] | 2.6 [74g/0.72N] | SS | NA | NA | 1,000,000 |
| Option | Letter | Description | | | | | | |
| | B | Curved tube (pylon replacement) | | | | | | |
| | N | No probe lubrication. Removing lubrication greatly reduces cycle life and should only be used in applications outside of the working temperature range | | | | | | |
| (Blank) | | | No option required | | | | | |

Working Temperature Range: -55°C to 120°C with lubrication. SS springs can be used up to 204°C without lubrication.

¹ 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.

² Maximum plunger OD should be used to calculate minimum guide plate clearance holes.

