

Contact Spring

CONNECTED FOR SIGNAL, POWER AND SHIELDING

Amphenol Aorora Spring products can be provided by different height for different applications, they are widely used in consumer and automotive market. The height from 1.0mm to 20mm, the material can be stainless steel and copper alloy, and provide gold, tin or nickel plating as an option.

- Make device more thinner
- One part easy to assembled
- Wide working height
- High reliability design
- Wide operation temperature



FEATURES

- Wide working height
- High reliability design
- Wide operation temperature

BENEFITS

- Make device more thinner
- One part easy to assembled
- Cost effectiveness

TECHNICAL INFORMATION

MATERIAL

- Copper Alloy or Stainless Steel
- Nickel, Tin or Gold plating

MECHANICAL PERFORMANCE

At working height

- Stainless Steel: 0.09kgf (0.88N) min.
- Copper Alloy Force: 0.025kgf (0.245N) min.

ELECTRICAL PERFORMANCE

- Connected for signal, power and shielding
- Contact resistance 100mΩ max.

APPROVALS AND CERTIFICATIONS

- NA

ENVIRONMENTAL

- Operating Temperature Range: -40°C to +105°C

PACKAGING

- Reel & Tape

TARGET MARKETS/APPLICATIONS



Automotive Infotainment



Smart Home
Smart Wearable

PART NUMBERS

| Description | Part Numbers |
|---|-----------------------|
| Spring, Copper alloy T0.1, Height 2.0 | Z02E-4F7L1-11000 |
| Spring, SUS T0.15, Height 3.3 | Z003-007L1-11001 |
| Spring, SUS T0.1, Height 3.3 | Z01B-4G7L1-11000-E000 |
| Spring, SUS T0.15, Height 4.0 | Z00E-4G7L1-11000 |
| Spring, Copper alloy T0.15, Height 4.75 | Z02H-4F7L1-11000 |
| Spring, SUS T0.15, Height 4.8 | Z00D-4G7L1-11000 |
| Spring, Copper alloy T0.1, Height 4.8 | Z016-4F7L1-11000-E000 |
| Spring, SUS T0.15, Height 5.2 | Z007-4G7L1-11000 |
| Spring, Copper alloy T0.1, Height 5.2 | Z02B-4F7L1-11000-E000 |
| Spring, SUS T0.15, Height 5.6 | Z00X-4G7L1-11000-E000 |
| Spring, SUS T0.15, Height 6.3 | Z00N-4G7L1-11000 |
| Spring, Copper alloy T0.1, Height 7.5 | Z02D-4F7L1-11000-E000 |
| Spring, Copper alloy T0.12, Height 7.5 | Z02J-4F7L1-11000 |
| Spring, SUS T0.15, Height 7.5 | Z00C-4G7L1-11000 |
| Spring, SUS T0.15, Height 9.0 | Z00F-4G7L1-11000 |
| Spring, SUS T0.15, Height 10.0 | Z02L-4G7L1-11000-E000 |
| Spring, SUS T0.15, Height 12.0 | Z01Y-4G7L1-11000-E000 |
| Spring, SUS T0.15, Height 14.0 | Z01U-4G7L1-11000-E000 |
| Spring, SUS T0.15, Height 16.0 | Z01V-4G7L1-11000-E000 |
| Spring, Copper alloy T0.25, Height 3.0 | Z01D-4C7J1-11000-E000 |
| Spring, Copper alloy T0.25, Height 3.0 | Z01E-4C7J1-11000-E000 |
| Spring, Copper alloy T0.6 | Z01F-1B7J4-11003-E200 |
| Spring, Copper alloy T0.4, Height 4.1 | Z01G-4C7J2-11000-E000 |