

# Spring Contacts

## PCB UNIVERSAL GROUNDING SPRING CONTACTS

Amphenol’s spring contacts are widely used in low-profile consumer and automotive applications to enable signal transmission and provide power and grounding. They are provided in a wide variety of heights and material options to accommodate the requirements of different applications. Amphenol spring contacts also commonly known as spring fingers and spring loaded contacts, are available in heights ranging from 1.70mm to 16.00mm, and in a variety of material options ranging from stainless steel, copper alloy, and gold, tin, or nickel plating.

- Wide variety of heights ranging from 1.70mm to 16.00mm are offered as standard products
- Wide operating temperature range of  $-40^{\circ}\text{C}$  to  $+105^{\circ}\text{C}$
- Space saving design, suitable for compact devices
- Formed by one-step stamping, easy to be assembled
- Robust design



### TARGET MARKETS



### FEATURES

- Wide variety of heights ranging from 1.70mm to 16.00mm are offered
- Robust design
- Wide operating temperature range of  $-40^{\circ}\text{C}$  to  $+105^{\circ}\text{C}$

### BENEFITS

- Space saving design for compact devices
- Formed by one-step stamping, easy to be assembled
- Cost efficient product

## Spring Contacts

# 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



Communications



Data



Industrial & Instrumentation



Medical

## PART NUMBERS

Description	Part Numbers
Spring, Copper Alloy T0.10mm, Height 2.0mm	Z02E-4F7L1-11000
Spring, SUS T0.15mm, Height 3.30mm	Z003-007L1-11001
Spring, SUS T0.10mm, Height 3.30mm	Z01B-4G7L1-11000-E000
Spring, SUS T0.15mm, Height 4.0mm	Z00E-4G7L1-11000
Spring, Copper Alloy T0.15mm, Height 4.75mm	Z02H-4F7L1-11000
Spring, SUS T0.15mm, Height 4.8mm	Z00D-4G7L1-11000
Spring, Copper Alloy T0.1mm, Height 4.8mm	Z016-4F7L1-11000-E000
Spring, SUS T0.15mm, Height 5.2mm	Z007-4G7L1-11000
Spring, Copper Alloy T0.1mm, Height 5.2mm	Z02B-4F7L1-11000-E000
Spring, SUS T0.15mm, Height 5.6mm	Z00X-4G7L1-11000-E000
Spring, SUS T0.15mm, Height 6.3mm	Z00N-4G7L1-11000
Spring, Copper Alloy T0.1mm, Height 7.5mm	Z02D-4F7L1-11000-E000

Description	Part Numbers
Spring, Copper Alloy T0.12mm, Height 7.5mm	Z02J-4F7L1-11000
Spring, SUS T0.15mm, Height 7.5mm	Z00C-4G7L1-11000
Spring, SUS T0.15mm, Height 9.00mm	Z00F-4G7L1-11000
Spring, SUS T0.15mm, Height 10mm	Z02L-4G7L1-11000-E000
Spring, SUS T0.15mm, Height 12mm	Z01Y-4G7L1-11000-E000
Spring, SUS T0.15mm, Height 14mm	Z01U-4G7L1-11000-E000
Spring, SUS T0.15mm, Height 16mm	Z01V-4G7L1-11000-E000
Spring, Copper Alloy T0.2mm5, Height 3mm	Z01D-4C7J1-11000-E000
Spring, Copper Alloy T0.25mm, Height 3mm	Z01E-4C7J1-11000-E000
Spring, Copper Alloy T0.6	Z01F-1B7J4-11003-E200
Spring, Copper Alloy T0.4mm, Height 4.10mm	Z01G-4C7J2-11000-E000
Spring, Copper Alloy T0.1mm, Height 4.10mm	Z03A-4PC1-11000

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