



High durability spring clips offer smartphone makers maximum cost savings with superb interconnect performance over a wide working range

Features and Benefits

Wide working range from 0.25 to 1.10mm (both series combined)	Offers greater design flexibility with specific loading control
Anti-snag design (105386)	Prevents contact damage during assembly processing and yield loss
Narrow clip width of 1.00mm (105386)	Supports small PCB applications
1,500 durability cycles (105386)	Delivers sustained high performance
Kinked ribs (105384)	Prevent solder wicking
Device-to-PCB grounding contact	Reduces EMI noise and electrostatic discharge
RF-to-PCB contact	Provides greater cost savings when used with non-soldered wire-less devices (example: antennas)

Spring Clips for Mobile Devices

Low profile, high durability

105386 Reinforced, anti-snag design, 1.00mm width

105384 Kinked ribs, closed tip design, 2.00mm width



Reinforced, anti-snag spring clip, 1.00mm width (Series 105386)



Kinked ribs, closed tip spring clip, 2.00mm width (Series 105384)

Markets and Applications

Smartphone and Mobile Devices

Consumer / Data / Telecom / Networking

- Digital cameras
- Digital video recorders
- Wireless LAN devices
- Set top boxes
- Small Office/Home Office (SOHO) switches and routers

Industrial

- Surveillance, security cameras and systems
- Point-Of-Sale (POS) scanners



Small Office/Home Office (SOHO) Switches and Routers



Smartphones and Tablets PCs



Security Camera



GPS Devices

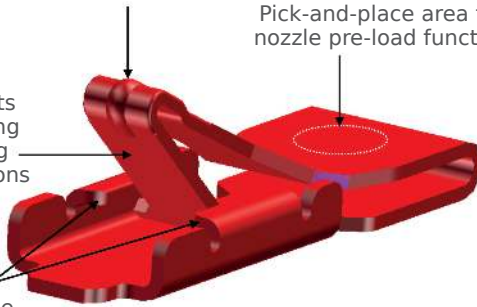
Product Features

The reduced area on the dimple provides higher contact pressure between mated device and spring clip for enhanced contact reliability

Pick-and-place area for nozzle pre-load function

Closed tip prevents accidental snagging of terminal during processing operations

Stopper features on both sides of the clip prevent excess deflection of the terminal when pushed from sideways

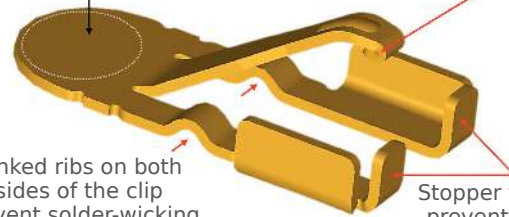


Pick-and-place area for nozzle pre-load function

The tip is closed to prevent accidents during processing

Kinked ribs on both sides of the clip prevent solder-wicking

Stopper features prevent excess deflection of the clip



Gold plating on the mating contact improves both mechanical and electrical performance of the interconnect when mated (Series 105386)

Anti-solder wicking and small solder area are hallmarks of this competitively priced interconnect (Series 105384)

Specifications

Reference Information

Packaging: Tape on reel
 Mates With: Electronic and RF devices depending on customer application
 Designed In: Millimeters
 RoHS: Yes
 Halogen Free: Yes
 Glow Wire Compliant: No

Electrical

Voltage (max.): 10 Volts DC
 Current (max.): 1.5 A (105386); 1.0A (105384)
 Low Level Contact Resistance (max.): 50 milliohm

Mechanical

Normal Force:
 0.25N minimum before durability
 0.20N minimum after durability
 Durability: 1500 cycles
 Vibration:
 3.10G (RMS) between 20 to 500Hz, 15 minutes

Physical

Housing: None
 Contact: Stainless Steel
 Plating:
 Contact Area — Refer to table
 Soldering Area — 2µm (79µ")
 Gold (Au) (105386)
 Gold (Au) Flash (105384)
 Underplating — Nickel (Ni) overall
 Operating Temperature: -40 to +85°C

Ordering Information

Series No.	Contact Gold (Au) plating (µm, min.)	Working Range (mm)
105386-0003	0.25	0.40 to 0.80
105386-0004	1.00	
105384-0001	0.50	
105384-0002	0.50	0.70 to 1.10
105384-0003	0.50	0.25 to 0.50