

Universal Contact

OVERVIEW

The single spring contact to connect the designed device, such as an antenna to a printed circuit board assembly, this makes it easier for customers to design the board. Single position connector provides a means to electrically connect a device.

The single position spring contact is an excellent means to electrically connect devices, such as an antenna to a printed circuit board assembly, giving customers high flexibility to design the board.



FEATURES

- In accordance with FCI GS-12-500
- Single contact without housing is helpful for customer to make the device thinner
- Various contact height allows customer to design various operation height

BENEFITS

- Domed contact points for good normal force and low contact resistance
- Solderwell design prevents solder wicking up the contact
- Freedom to position part – no fixed mating interface





TECHNICAL INFORMATION

MATERIALS

- Beryllium/Titanium Copper Alloy
- Contact Area: 40u" Gold or 40u" GXT over Nickel
- Solder Area: Gold Flash over Nickel

ELECTRICAL PERFORMANCES

- Rated Voltage: Maximum 12V
- Rated Current: 2 Amps @ 30 °C
- Contact Resistance: 20 Milliohms Maximum

ENVIRONMENTAL

- Operating Temperature Range: - 40 °C to + 85 °C without loss of function
- Storage Temperature Range: - 40 °C to + 85 °C without loss of function at operating temperatures

MECHANICAL PERFORMANCES

Universal Contacts

Part Number	Spring Height (mm)	Pre-load Apply Load (N)	Pre-load Un-Appling Load (N)	Max Deflection (mm)	Minimal Normal Force @ max Deflection (N)	Spring Rate (N/mm)
10123973-00*RLF	1.2	-	-	0.65	0.6	0.92
10094594-00*RLF	1.3	0.78	0.58	0.32	0.87	1.2
10104320-00*RLF	1.3	0.41	0.36	0.4	0.7	1.5
10115748-00*RLF	1.55	0.44	0.26	0.6	0.73	0.78
10103955-00*RLF	1.8	0.35	0.15	0.8	0.75	0.74
10128200-00*RLF	2.1	0.5	0.36	0.45	0.6	0.67
10104319-00*RLF	2.5	0.42	0.31	1	0.54	0.32
10104321-00*RLF	3.5	0.56	0.38	1.3	1.02	0.49

SPECIFICATIONS

- GS-12-500

PACKAGING

- Reel & Tape

TARGET MARKETS/APPLICATIONS

- Consumer
 - Smartphone
 - Wearable Device
 - Gaming Device
 - Tablet
- Industrial & Instrumentation
 - LED lighting
 - Switch

PART NUMBERS

40u" Gold Plating	40u" GXT Plating
XXXXXXXX-001RLF	XXXXXXXX-009RLF