### **FEATURES AND SPECIFICATIONS**

Molex offers the Po Go Pin Connector for speaker, battery, vibrator and antenna contact applications.

Speaker, battery, vibrator and antenna contact applications are reducing in size due to miniaturization of these assembled applications. These applications demands robust, high cycle and small interconnect solutions to support repeated mechanical stress exerted on the connector during usage.

The Pogo Connector has been designed to meet the needs of these applications. Due to its design, it gives a highly durable point-to-point contact when assembled. The pin height is flexible and can be made according to customers' request.

Molex is able to provide solutions for a variety of configuration with different pitch size.



# Pogo Pin

47244, 47245, 47247, 47261, 47282



Features	Benefits						
<ul> <li>High contact pressure when assembled</li> </ul>	• Ensure good contact during usage						
• Small footprint	Saving PCB real estate						
<ul> <li>Flexible working height and wide range of configurations</li> </ul>	Support wide range applications						

# **SPECIIFICATIONS**

**Reference Information** 

Packaging: Embossed Tape on Reel

UL File No.: CSA File No.: Mates With: Designed In: mm

Electrical

Voltage: Refer to Order Table Current: Refer to Order Table

Contact Resistance: 50 milliohms max.

Dielectric Withstanding Voltage: Refer to Order

Table

Insulation Resistance: 100 Megohms min.

Mechanical

Normal Force: Refer to Order Table Durability: Refer to Order Table

**Physical** 

Housing: PA Polyamide (Nylon) 4/6, UL

94V-0

Contact: Copper (Cu) Alloy

Plating:

Contact Area — Refer to Order Table Solder Tail Area — Refer to Order Table Underplating — Refer to Order Table Operating Temperature: -40°C to +85°C

## **MARKETS AND APPLICATIONS**

**Mobile Phone** 

Main Board Assembly molex®

**Pogo Pins** 

Pogo Pin

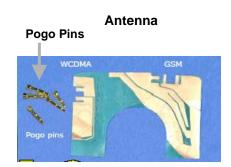
Mobile phones application, used widely in internal antenna contacts, battery contacts and speaker contacts.

Pogo Pins

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### **ORDERING INFORMATION**

Lead-free Order number	Description	Features													
		No. of Circuits	Pitch	Action Height	Current (max)	Voltage (max)	Contact Resistance (ohms)	Plating Contact	Under Plating	Plating Tail	Durability	Normal Force- min (per circuit)	Contact Force	Packaging Quantity	Carrier Tape Width
47244-0001	Po Go Pin Connector, Surface Mount, Vertical	2	3.50mm (.138")	7.80mm (.307")	2.0A	12V DC	30 milliohms max.	0.3um (12u") Gold (Au)	Nickel (Ni)	0.1um (4u") Gold (Au)	10,000 cydes	0.88N (0.20lb)	90g	300	24.00mm (.945")
47245-0001		3	2.54mm (.001")	3.15mm (.124")	2.0A	60V DC	30 milliohms max.	0.1um (4u") Gold (Au)	1.27um (50u") Nickle (Ni)	Gold (Au)	20,000 cydes	0.44N (0.10lb)	90g	1600	16.00mm (.630")
47247-0001		4	3.00mm (.118")	4.70mm (.185")	2.0A	12V DC	25 milliohms max.	0.3um (12u") Gold (Au)	Nickel (Ni)	0.127vm (5v") Gold (Av)	10,000 cydes	0.17N (0.04lb)	70g	1000	16.00mm (.630")
47261-0001		2	4.00mm (.157")	7.90mm (.311")	2.0A	12V DC	25 milliohms max.	0.4um (16u") Gold (Au)	Nickel (Ni)	Gold (Au)	10,000 cydes	0.26N (0.06lb)	102g	350	24.00mm (.945")
47282-0001	Po Go Pin Connector, Surface Mount, Right Angle	4	2.00mm (.079")	5.60mm (.220")	3.0A	12V DC	30 milliohms max.	1.0um (40u") Gold (Av)	Nickel (Ni)	Gold (Av)	20,000 cycles	0.83N (0.19lb)	85g	2500	24.00mm (.945")



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