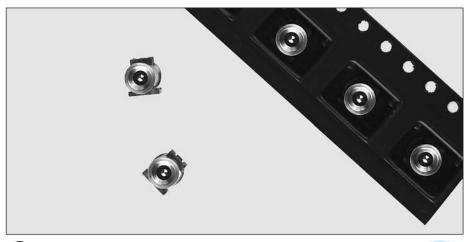
he LPC SP1 is the waterproof version of the LPC CP1/CP2 RF switchable connector. It features a special seal, allowing it to be IP67 compliant (1 meter of water). These connectors are ideal for small handsets. They offer high performance in a very compact design with a unique cold pin to minimize the RF emissions in unmated conditions.

Applications:

- Mobile Phones
- Portable Radio
- Portable Satellite
- PDA





(i) For more information: www.ittcannon.com/cat269



Product Features

- Sealed to IP67.
- Cold pin to minimize RF emissions in unmated conditions.
- 0.2 g weight.
- 100% checked on assembly.
- Low profile of 5,6 mm.

- Seal to prevent dust and water penetration.
- Standard tape and reel packaging.

Performance Specifications

Connector Durability Corrosive Atmosphere **Environmental Sealing** Frequency Range Humidity **Impedance** Insertion Loss

Mating Force of Ground Offset Mating

> **Packaging** Salt Spray Shock

> > **VSWR**

Solder System Temperature Rating Vibration 12,000 mating cycles min.

Battele class II Up to IP67

0.8 to 2 GHz

Operable in 90% relative humidity, temp. 40°C (104°F)

50 Ω nominal

At 0.8 to 2 GHz < 0.1 dB

4 N and <7 N 0.95 mm

Tape & Reel, 1000 pieces per reel

In accordance with IEC 68-2-11, Method Ka 105 q (force) 6 directions over 3 axis

Hand soldering, Infrared reflow soldering -40°C and 85°C (-40°F to 185°F)

+3 dB/octave 20 to 80 Hz $0.53 \, a^2/\text{Hz} \, 80 \text{ to } 350 \, \text{Hz}$

+3 dB/octave 350 to 2000 Hz

At 2000 MHz ≤1.2:1

Materials and Finishes

Description	Material	Finish
Shell	Brass	Gold
Insulator	LPC	Color: Black
Contact, Moving	Beryllium Copper	Gold
Contact, Fixed	Brass	Gold
Cold Pin	Brass	Gold
Gasket	Silicone Rubber	_
Seal	Rubber	_



¿ Please contact your local Cannon representative: www.ittcannon.com/support/ContactUs



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Dimensions are shown in mm (inch) Dimensions subject to change