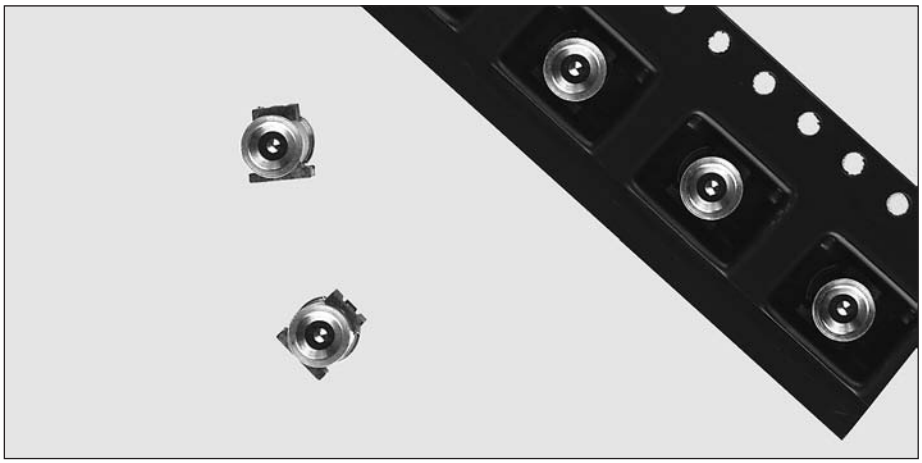
The LPC SP1 is the waterproof version of the LPC CP1/CP2 RF switchable connector. It features a special seal, allowing it to be IP67 compliant (1 meter of water). These connectors are ideal for small handsets. They offer high performance in a very compact design with a unique cold pin to minimize the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

Applications:

- Mobile Phones
- Portable Radio
- Portable Satellite
- PDA



For more information: www.ittcannon.com/cat269

New

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	12,000 mating cycles min.
Corrosive Atmosphere	Battele class II
Environmental Sealing	Up to IP67
Frequency Range	0.8 to 2 GHz
Humidity	Operable in 90% relative humidity, temp. 40°C (104°F)
Impedance	50 Ω nominal
Insertion Loss	At 0.8 to 2 GHz <0.1 dB
Mating Force of Ground	4 N and <7 N
Offset Mating	0.95 mm
Packaging	Tape & Reel, 1000 pieces per reel
Salt Spray	In accordance with IEC 68-2-11, Method Ka
Shock	105 *g* (force) 6 directions over 3 axis
Solder System	Hand soldering, Infrared reflow soldering
Temperature Rating	–40°C and 85°C (–40°F to 185°F)
Vibration	+3 dB/octave 20 to 80 Hz 0.53 g^2/Hz 80 to 350 Hz +3 dB/octave 350 to 2000 Hz
VSWR	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