

# APPLICATION NOTE

[www.ittcannon.com](http://www.ittcannon.com)

## High Density 1.0/2.3 Coaxial Cable Plug

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### Features

- Standard DIN 1.0/2.3 plug interface
- Full crimp termination
- 75 ohm impedance
- Push-Pull coupling

### Benefit to the Customer

- Enables hardware designers to reduce the size of their equipment
- Will fit to high density DIN 1.0/2.3 systems
- Mates with all DIN 1.0/2.3 jacks (both standard and high density)
- Versions to fit most miniature RF cables can be developed

### Applications

Any telecommunication equipment where increased port density is required.

Audio routers in broadcast where increased port density is required.

### The Challenge

As telecommunication equipment get smaller, there is pressure to reduce the size of the connectors used. Our 7mm pitch SFP-155E and our new 8 port 1.0/2.3 coaxial module, both require a mating connector which is reduced in size from the standard Push-Pull connector.

The electrical performance should be the same as existing 1.0/2.3 plugs, and must have a push pull locking mechanism.

### The ITT Solution ...

ITT developed a new version of the 1.0/2.3 Push-Pull cable plug which has the outer diameter of its body reduced from 7.7mm to 6.2mm.

For application assistance, please contact:

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