High Frequency Quick Connect Adapters

Up to 50 GHz







Cinch Connectivity Solutions' Johnson 2.4mm - 2.92mm - SMA Quick Connect adapters are designed to adapt from a standard threaded jack to a Quick Connect Plug. This allows for rapid test connections to devices using 2.4mm, 2.92mm and SMA connectors. The electrical performance is excellent up to 50 GHz with a very reliable connection and the mechanical performance is robust to support up to 1000 mating cycles. These adapters are very popular with all test labs and R&D labs and now can support frequencies up to 50 GHz, 40 GHz, 26.5 GHz and 18 GHz with four unique parts.

Full MIL-PRF-39012 electrical compatibility is obtained with a push and twist motion. The knurled thumbnut requires only one half to one full turn to create a solid electromechanical connection. Rapid disconnect is accomplished with a twist and pull motion.

The 2.4mm - 2.92mm - SMA Quick-Connect Plug Adapter converts a standard 2.92mm/ SMA Plug test cable into a Quick-Connect cable. This makes the testing process more efficient by reducing the time and effort required to connect and disconnect the test cable.

All Johnson high frequency connectors and adapters are designed to provide the highest quality data signal transmission.

Features

- Quick connect with push and twist motion achieving full MIL-PRF-39012
- Cable assembly conversion for quick mating and de-mating
- Rapid disconnect with twist and pull motion

RoHS

Applications

- Test and measurement lab equipment
- Instrumentation test fixture hardware

Quick Connect Adapters (In Series)

Part Number	Interface	Insertion Loss	VSWR	Frequency
147-0901-831	2.4mm Jack to Quick Connect Plug Adapter	0.12√(F) dB max (F in GHz)GHz	1.25 Max DC to 18 GHz	50 GHz
145-0901-841	2.92mm Jack to Quick Connect Plug Adapter			40 GHz
142-1901-831	HF SMA Jack to Quick Connect Plug Adapter			26.5 GHz
142-1901-821	SMA Jack to Quick Connect Plug Adapter			18 GHz

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