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CONNECTIVITY SOLUTIONS

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SMA Self Fixture End Launch Jacks

Launch Packet

Features/Benefits



The SMA End Launch Jack is the most widely used RF connector in the Johnson family. We are introducing 3 new “Self Fixture” parts in this family.

Benefit of Self Fixture parts is removing manufacturing cost and complexity. The lower legs of the connector are designed to tightly grip a range of substrate thicknesses until the soldering operation is complete. No mounting screws, no adapters or additional tools on the assembly line. Customers have estimated manufacturing time saved for one connector is 80% (1 minute vs 5 minutes).

Where to Sell-Applications

- **Semiconductor ATE Test Boards**
- **Instrumentation Test Fixture Equipment**
- **Wireless Infrastructure Antennas**
- **Global Positioning Satellite Antennas**
- **Phased Array Antennas**
- **Cellular Linear Power Amplifiers**
- **Broadband MMIC Power Amplifiers**
- **Microwave Filters, Mixers and Combiners**
- **Radar Systems**
- **High Speed Routers and Switches**

Competition & Pricing

- **List the competitors and product family**

No competitor has a Self Fixture End Launch. Many competitors have SMA connectors. Some have designed end launch jacks. We are the recognized leader with a patented solution.

Part Number	Description
142-1701-841	Self Fixture End LAUNCH,ROUND CONTACT, .059" BOARD THICKNESS
142-1701-851	Self Fixture End LAUNCH,TAB CONTACT, .059" BOARD THICKNESS
142-1701-871	Self Fixture End LAUNCH,TAB CONTACT, .039" BOARD THICKNESS

Product/Marketing Support

- Drawings

- [142-1701-841](#)

- [142-1701-851](#)

- [142-1701-871](#)

- [Catalog/ Brochure](#)



JOHNSON

SMA Self-Fixture End Launch Connectors

An ideal solution for design engineers who are obligated to cut manufacturing costs and complexity out of their circuit board system.

For those microwave engineers who are required to transition microwave energy from coaxial to planar transmission line structures on even higher frequency board substrates, Cinch Connectivity Solutions recommends the Johnson line of High Frequency End Launch, Self-Fixture connectors which can operate up to 26.5GHz with good Return Loss values.



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Thank you