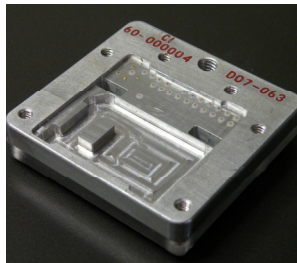
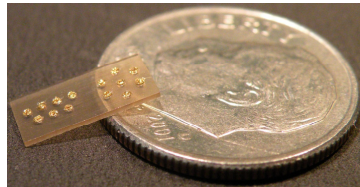
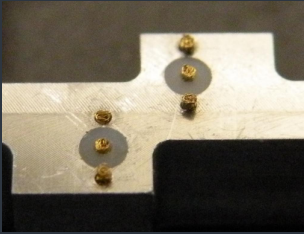


Custom Interconnects

FUZZ BUTTON® PERFORMANCE

RF/MICROWAVE/COAXIAL/GHZ



Custom Interconnects designs and manufactures a wide array of customizable interconnect configurations to address the signal integrity challenges of high frequency operations. Fuzz Buttons® are the ideal contact technology to achieve 50 Ohm impedance matching with minimal tuning required.

Coaxial emulation is achieved by using a Fuzz Button® as the center signal conductor with one or more Fuzz Buttons® then surrounding the center as compliant grounds.

For an enhanced ground plane, a metal carrier is used in conjunction with dielectric sleeves which isolate the signal Fuzz Buttons®. Additional Fuzz Buttons® are then placed directly into the metal carrier as compliant grounds.

For low inductance, resistance and capacitance values, we offer the best approach in the market!

- ◆ Optimal Signal Integrity
- ◆ 40+ GHz Frequency
- ◆ Low Profile
- ◆ High Current Capable
- ◆ Impedance Matching
- ◆ Shock/Vibration Resistant
- ◆ Solderless Contacts
- ◆ Harsh Enviromentals
- ◆ A Proven Approach
- ◆ Cost Effective Over COTS

Technical Specifications

Applications	LGA, BGA, PGA, CGA, QFN
Contact Pitch	.4mm and above
Min/Max IO	1/5000 contacts
Current Capability	5 Amps Continuous
Operating Temperature	-60°C – 150°C
Mating Cycles	Up to 500,000
Dielectric Carrier Materials	Ultem, PEEK, Torlon, G10
Metal Carrier Materials	Aluminum, Brass, Stainless Steel
Dielectric Isolation Materials	Teflon, Ultem, PEEK
Finish Options	Coatings, Plating, Alodine

Custom Interconnects

For over twenty years, the exclusive supplier of high performance Fuzz Button® Interconnect solutions to military and commercial customers worldwide.

Markets	Applications
Aerospace	Board to Board
Military	Device to Board
Medical	Pitch Adaptor
Communications	Mezzanine
Semiconductor	Production Socket
RF / Coaxial	Test Socket

Customer Programs

Satellites	UAV / UAS
Missiles	Jet Fighters
Space Probes	Radar Arrays
Dewar Systems	Crash Test Dummies
Product Test	PCB "Super-Stacking"
High Power IC	GHz Connectors

For more product information, please visit our website:
www.custominterconnects.com

Custom Interconnects
7790 E. Arapahoe Road
Suite 250
Centennial, CO 80112

sales@custominterconnects.com
Phone: 303-934-6600
Fax: 303-934-6606

