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

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

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 Capability
- Impedance Matching
- Shock/Vibration Resistant
- Solderless Contacts
- Harsh Enviromentals
- A Proven Approach
- Cost Effective Over COTS

### Technical Specifications

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

### Customer Programs

- **Markets**
  - Aerospace
  - Military
  - Medical
  - Communications
  - Semiconductor
  - RF / Coaxial

- **Applications**
  - Board to Board
  - Device to Board
  - Pitch Adaptor
  - Mezzanine
  - Production Socket
  - Test Socket

- **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