

Custom Interconnects

FUZZ BUTTON® PERFORMANCE

FUZZ BUTTONS®



Standard Offerings

Diameters: .010", .015", .020", .025", .030", .040", .045", .050", .062", .075", .080", .090", .125", .150", .170", .200", .280"

Lengths: .020" to .500", typically 2x - 10x the diameter

Volume Fill Rate: 28%

Tolerances: Diameter +/-5%, Length +20%/-0%, Fill +/-2%

Wire Type: Gold-plated Beryllium Copper Au/BeCu 80
Gold-plated Molybdenum Au/Mo 81

Part Numbers: XX-DDDLLL, XX = Material, DDD = Diameter, LLL = Length

Customization Properties: Dimensions, Fill, Tolerances and Wire Type

High Temp Wire: Gold-plated Tungsten 82, Gold-plated Nickel Chromium 83

Technical Specifications

Applications	LGA, BGA, PGA, CGA, QFN
Contact Pitch	.4mm and Above
Current Capability	5 Amps Continuous
Operating Temperature	-60°C – 150°C
Mating Cycles	Up to 5,000
Mating Cycles with Hardhats	Up to 500,000
Compliance/Travel	15 – 30% of Length
Compression/Force	34 grams
Crosstalk/Bandwidth	-20dB@10GHz
Insertion Loss/Bandwidth (S21)	-.2dB@10GHz /-1dB@26GHz
Return Loss/Bandwidth (S11)	-15dB@10GHz
Self/Mutual Inductance	0.19nH/0.03nH
Ground/Mutual Capacitance	0.16pF/0.008pF
Resistance	<10mΩ
Rise Time/Fall Time	50ps/50ps

Note: Values shown for 1mm pitch / .020" diameter, specs differ for other sizes

Custom Interconnects

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

Markets

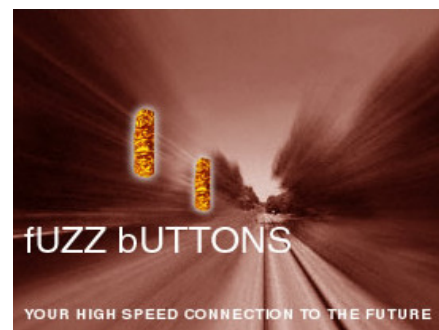
Aerospace
Military
Medical
Communications
Semiconductor
Automotive
RF / Coaxial

Applications

Interconnects
Connectors
Test Sockets
Test Fixtures
Grounding
EMI Shielding
Heat Dissipation

Customer Programs

Satellites UAV / UAS
Missiles Millimeter Wave
Space Probes Radar Arrays
Dewar Systems Crash Test Dummies
Product Test Chip Packaging
High Power IC GHz Connectors



For more product information,
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www.custominterconnects.com

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