

## EZiCoax

Single-piece coaxial probe



One-piece Coax for Parallel Board to Board high speed signaling.  
Offers low cost of ownership with ease of rework and assembly.

- Integrated fully in PCBs, does not require soldering nor mating connectors
- Designed in interposers and intermixed with digital, power and DC probes for a comprehensive solution
- Double-ended spring-loaded probe, guarantees compliance up to 0.2mm in Z-Axis
- High Density (3.0 mm pitch) and Low Profile (3.25 mm height)

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## Spring Probe Interposers

Low-profile, high-density spring probe interposer solutions



Application-specific interposer solutions designed to withstand intense shock and vibration, extreme temperatures and environmental contaminants

- Compression mount termination options
- Design flexibility with a broad range of spring probe solutions
- Efficient utilization of board space with arrays configured to match required footprint
- Integrated alignment, latching and sealing features to prevent improper mating

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## KA Series

High reliability MIL-DTL-55302 Compliant  
PCB connectors



MIL-DTL-55302 compliant connectors  
offering up to 490 signal contacts for  
defense and aerospace applications

- Available in 2-5 row series from 17 to 490 contacts
- Featuring Hypertac® Hyperboloid contact technology
- Contact mating cycle life up to 100.000 cycles
- Average insertion/extraction force of 1 ounce per contact
- Immunity to shock and vibration fretting

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## KVPX Series

Space Qualified Rugged High Speed  
VITA Backplane Connectors

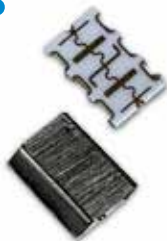


An embedded interconnect system for harsh environments that adapts to the VITA standard design requirements

- High Speed up to 16 Gbps
- Flexible modular design for standard 3U and 6U as well as custom configurations
- Compatible with VITA 46, 47 and 78 (Space) standards
- Faceplate to protect daughtercard pins; press-fit termination

# Planar X Lowpass X-Band RF Filters

Off-the-shelf product  
offering reduced lead  
times compared to  
custom-designed filters



Leverages thin film process technology  
on ceramic substrates which are  
designed for mission critical applications

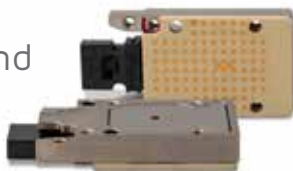
- Compact and light weight
- Surface mount configuration
- Low insertion loss
- Excellent rejection characteristics

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# SpaceABLE® Family of Radiation Resistant Transceivers

Space qualified 10G and  
28G 4TRX, 12TX  
and 12RX



TRL 9 mission proven, low-SWaP,  
optical transceivers

- Tested to withstand radiation dose over 100 krad (Si)
- Qualified per ESCC and MIL-STD
- Operating Temperature: -40 °C to +85 °C
- Flight-grade lot control and acceptance testing

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## SpaceNXT™ QT Series

Space Qualified Phase Stable  
Coaxial Cable Assemblies



Specifically designed and tested for  
next generation commercial space  
applications

- Frequency range up to 110 GHz
- Stainless steel connectors or BeCu Connectors - rated >500 mating cycles where applicable
- Low loss dielectric - reduced attenuation and power loss

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# TSX Chip Attenuators

Frequency Range from DC to Q-Band



Offers excellent performance and power from DC-50 GHz in a small 0604 or 0404 package size.

- Small form factor - Reduces overall footprint
- Surface mountable or wire bondable - ideal for pick and place or chip on wire applications
- Broad frequency range - Reduces BOM count
- Low VSWR - Increases transmitted power

**more > [smithsinterconnect.com](https://www.smithsinterconnect.com)**

