



# microcross®

one source. one solution.®

# Data Bus Couplers & Harnesses

Product Line Overview



Microcross is a best-in-class supplier of MIL-STD-1553 Data Bus Couplers, Harness Assemblies and RF/Wideband transformers serving the most demanding applications for the Defense, Aerospace, and Space markets.



## CUSTOM SPACE-GRADE HARNESS ASSEMBLIES

- Custom Fabrication, Qualification and Test of Space Rated Harness Assemblies
- Custom Configuration of Bus/Stub Options to Meet Program Requirements
- Connectorization Options include:
  - Space Rated 38999 Connectors
  - Space Rated D-Sub Connectors
  - Space Rated Triaxial Connectors
  - Hermetic Connectors



## SPACE-GRADE BOX COUPLERS

- Up to 8 Stubs
- Connector Options Include: BJ747, BJ3150, B J157, D621
- Configurable Termination (Single/Dual)



## INLINE COUPLERS

- Up to 6 stubs
- Mounting Options: Tab Mounted, Through Hole Mounting



## CUSTOM HARNESS ASSEMBLIES

- Configuration of couplers into inline harness assemblies
- Connectorization Options include:
  - Series II/III 38999 Connectors
  - D-Sub Connectors
  - Triaxial Connectors
  - Hermetic Connectors



## BOX COUPLERS

- Up to 6 stubs
- Mounting Options: Tab Mounted, Through Hole Mounting



# 20+ Years of Space Flight Heritage

Micross provides a full range of MIL-STD-1553 data bus components and RF transformers for signal processing applications to the Aerospace Industry. Our high reliability products are used by industry leaders, including Boeing, Raytheon, Lockheed Martin, United Launch Alliance and Northrop Grumman.

With a proven track record of on-time delivery and unparalleled quality, Micross has established itself as a valued supplier of products to the MIL/Aerospace industry for its most demanding applications. Our thorough understanding of high frequency magnetics and MIL standards, and a complete commitment to total customer satisfaction provide our customers a reliable supply partner for MIL-STD-1553 Data Bus Couplers and RF/Wideband transformers. Our products are designed and manufactured in the U.S. and are backed by a two year warranty on workmanship and materials. Our Quality Management System is certified to ISO9001:2015 and AS9100. We maintain full documentation traceability for design, development, fabrication, test and inspection.

Custom and standard designs available for Military, Airborne and Space Applications (Launch Vehicles and Payloads.)

## PROGRAM PARTICIPATION



GPS • GOES • OPIR • P321 • VULCAN • SLS • JCSAT • ATLAS/DELTA

## SPACE QUALIFICATION CAPABILITIES

- Mechanical Shock
- Mechanical Vibration
- Thermal Shock
- Thermal Cycling
- RTX
- DPA
- Surface Transfer Impedance
- Thermal Vacuum
- Pyro Shock
- Electrical Bonding
- Electromagnetic Compatibility
- Electostatic Discharge
- Altitude Testing



### About Micross

Micross is the most complete provider of advanced microelectronic services and component, die and wafer solutions. With the broadest authorized access to die & wafer suppliers, an extensive portfolio of hi-rel power, RF, optoelectronics, memory, data bus, logic, and SMD/5962 qualified products, and the most comprehensive advanced packaging, assembly, modification, upscreening, and test capabilities, Micross is uniquely positioned to provide unparalleled high-reliability solutions, from bare die, to fully packaged devices including hermetic ICs/MCMs, PEMs, ASICs, FPGAs, and PCBs, to complete program life-cycle sustainment. For more than 40 years, Micross has been a trusted source for the aerospace, defense, space, medical, energy, communications, and industrial markets.



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