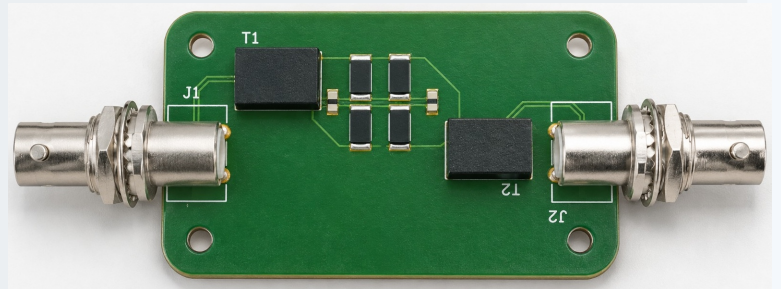


AvioNForge1553 Bus Coupler

2-Stub Dual-Terminated MIL-STD-1553 Bus Coupler

AvioNForge1553 Bus Coupler is a compact, passive coupling solution designed for reliable integration of terminals into MIL-STD-1553 data bus networks.



It provides transformer isolation, fault protection and controlled bus termination for robust avionics communication in integration, development and test applications.

Key Features

- 2 transformer-coupled MIL-STD-1553 stub connections
- Dual-terminated bus architecture
- 78.7 Ω integrated termination at both ends of the main bus
- 59 Ω fault-isolation resistors for each transformer-coupled stub
- 1:1.41 bus-to-stub transformer coupling ratio
- Electrical isolation between the main bus and connected terminals
- Improved fault tolerance and protection against stub short-circuit conditions
- Designed for 1 Mbps MIL-STD-1553 data bus operation
- Supports connection of BC, RT and BM terminals to the MIL-STD-1553 bus
- Transformer coupling for improved common-mode rejection and signal integrity
- Passive operation - no external power supply required
- Compact platform for avionics integration, laboratory and system test applications