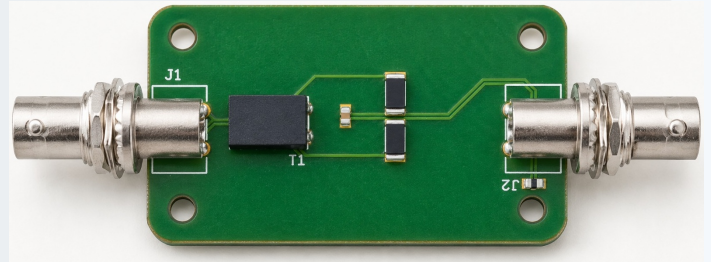


AvioNForge1553 Direct Coupled Bench

MIL-STD-1553 Direct-to-Transformer Coupled Test Interface

AvioNForge1553 Direct Coupled Bench is a compact, passive MIL-STD-1553 test and integration platform designed to interface direct-coupled equipment with transformer-coupled MIL-STD-1553 devices and bus networks.



It provides a reliable and convenient connection between different coupling configurations, enabling MIL-STD-1553 equipment to be integrated, evaluated and tested within a common laboratory environment.

Key Features

- MIL-STD-1553 direct-to-transformer coupled test interface
- Direct-coupled MIL-STD-1553 device interface
- Transformer-coupled MIL-STD-1553 bus/device interface
- Designed to interface direct-coupled equipment with transformer-coupled devices and bus networks
- Supports MIL-STD-1553A/B communication environments
- 1 Mbps MIL-STD-1553 data bus operation
- Suitable for Bus Controller (BC), Remote Terminal (RT) and Bus Monitor (BM) equipment
- Supports MIL-STD-1553 Bus A / Bus B configurations
- Transformer isolation between coupling interfaces
- Fault-isolation network for improved bus protection
- MIL-STD-1553 compliant coupling and termination architecture
- Provides interoperability between different MIL-STD-1553 coupling configurations
- Passive operation - no external power supply required
- Optimized for short direct-coupled stub connections up to 1 ft (30 cm)
- No USB, Ethernet or external control interface required
- Compact platform for laboratory and avionics system integration
- Designed for development, integration, troubleshooting, verification and test applications