

1553B C Series Module



FEATURES

- Provides one dual-redundant MIL-STD-1553B bus terminal
- High-level API implements out-of-the-box single-function MIL-STD-1553B interface
- Low-level API enables concurrent operation for one to four MIL-STD-1553B functions:
 - bus controller,
 - bus monitor, or
 - two remote terminals
- Low-overhead Holt HI-6131 terminal allows small FPGA footprint
- All features of Holt HI-6131 available through low-level API
- Integrated isolation transformers for stub coupling
- Includes LabVIEW drivers and example code

Test and simulate MIL-STD-1553B bus communications

Bloomby's BCI-1553 C Series module provides a versatile, standards-compliant MIL-STD-1553B interface for the National Instruments CompactRIO platform. The module uses the high performance, industry standard Holt HI-6131 integrated terminal to provide a single dual-redundant bus interface. The flexible software-configured drivers provides out-of-the-box operation as a bus controller, bus monitor, or as two independent remote terminals.

APPLICATIONS

- Aircraft system monitoring and diagnostics
- Flight line diagnostics
- Operational flight program (OFP) upload verification
- Fault code download
- Device simulation
- Functional unit testing

TECHNICAL DATA

- CompactRIO MIL-STD-1553B Terminal with integrated isolation transformers
- Designed for use with stub-coupled network topologies
- Compatible with direct coupling with optional cable
- Short-circuit protected transmitters
- Requires 12-24VDC, 2.5W (max.) external power supply, not included

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
1200-00001	MIL-STD-1553B Interface Module for cRIO (includes module and mating power connector)
1200-00027	Dual-Channel 1553 Cable Assembly for stub coupling, 2' (Contact us for direct coupling or other made-to-order lengths.)



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