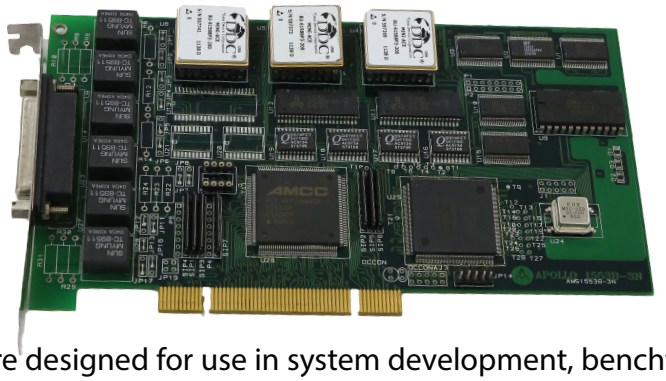
MIL-STD-1553B DATA BUS SOLUTIONS



DATA BUS COUPLER

AMS MIL-STD-1553B data bus couplers are designed for use in system development, benchtop test, harsh and rugged environment, Airworthy and flight maintenance applications. In addition, our miniature series offer the advantages of light weight and small size. AMS also customizes couplers to meet your particular configuration and ratio requirements.

1553B STUB COUPLER SPECIFICATIONS

Impedance	-	3000 Ohms minimum
Frequency	-	75 KHz to l MHz
Droop	-	20%maximum at 250 KHz
Overshoot	-	Less than 1.0V
Transformer Standard	-	MIL-T-21038
Transformer Turns Ratio	-	1 : 1.41 +/- 3%
Common Mode Rejection (CMR)	-	-45db at 1 MHz
Fault Protection	-	Resister in series with each Connection equal to(0.75 Zo) +/- 2.0% ohms
Stub voltage	-	1.0V to 14.0V P-Pline-to-line, Signal Voltage(Transformer Coupled);1 .4V to 20.0V
Operating Temperature	-	-20 degC to +45degC
Weight	-	Less than 270 grams
Compatible With	-	MIL-STD-1553B
No.0f Stubs	-	Single to Multi port.
Form Factor	-	Available in Box type and In line type.

1553 Accessories

1553B- Cables
PL-75 Connectors
BJ-77 Connectors
Make : Tyco & Trompeter Makes

Features:

Easy Configuring of the card in BC,RT,MT mode.
Capable of Multi Card stack up.
Runs Self Test on card to check :
- Registers
- Memory
- Protocol
- Interrupts
- Loop Back test

-View recorded Bus Traffic

* Note : Specifications are subject to change without notice

MIL-STD-1553B DATA BUS SOLUTIONS

DESCRIPTION

AMS-MIL-STD) 15538 Data Bus Products are based on ILC DDC advanced ACE Engine. We offer a complete range of indigenious Data Bus network communication solutions based on MTL-STD-1553B. We have wide range of Add on cards in different form factors, Box type Couplers, Inline Coupler, 1553B Interconnects, and Cable Assembly.

MIL - 1553B ADD ON CARD SPECIFICATIONS

- One to Four 111dependant MIL-STD 1553B Dual Redundant Channels
- Fully Compatible to MIL-STD 155313 Notice2
- Supports all 1553B message formats and mode codes
- Built- in On-Board Time tag counter
- Software programmable RT Command initialization logic
- Support bulk data transfer using RT sub - address circular buffers
- 64K x 16 Bit on-Board memory per node
- RT address is user prpgrammable
- programmable real time clock
- Two programmable timers
- IRIG TIME (optional)
- User-friendly Menu Driven software under Will 95/98/NT/XP&2000.
- Drivers on Windows,Linux,RTLLinux, VxWorks & QNX.
- Powerful C - callable routines to support BC/RT/MT and enhanced feature
- Available on ISA/PCI/PCI-X/cPCI/PCMCIA, PC-104, VME, & PMC BUS.
- ePCI, PMC, VME are designed for harsh military environments and are available in commercial & Conduction cooled versions.

APPLICATIONS

- Mission Computers
- Avionics
- Communication links
- Spacecraft
- Ground Vehicles
- Flight Data Recorders
- Test Systems
- Flight Computers

Menu Driven Software

The User friendly Menu Driven software allows to simultaneously simulate BC,RT,MT. All enhanced features can be fully exploited by 'C' callable routines. BC & RT's evaluate each 1553 messages in real timeSoftware is developed in ANSI/Borland C to supports all the functions of mini ace family.

The software is developed under VC++ User friendly menu driven software in VC++ for BC,RT & MT controland configuration under Win 95/98/NT/2000/XP. All the functions supported by menu software are provided in the form of sub - routines. 'C' callable routines.

MIL - STD - 1553B ADD ON CARD ORDERING INFORMATION

AMS-1553B-F-N-G-S-D

Device Drivers
Windows=0
Linux-1
Vx Works=2
QNX=3

Application Menu Driver S/W
Windows=0
linux=1
Vx Works=2

Grade
Commercial-C
Industrial-I

Noof Node
N=1, upto 4 Node.

Form Factor
ISA=O PMC=4
PC1=1 VWE=5
PC1-X=2 PC-104=6
cPCI=3 PCMCIA=7

MIL-STD-1553B COUPLER ORDERING INFORMATION

AMS-1553 B-F-N-G-L

In Feet

Commercial = I
Air worthy = 2

Single sub = 1
nth stub = n

Box Type - 1
Inline - 2

* Note : Specifications are subject to change without notice