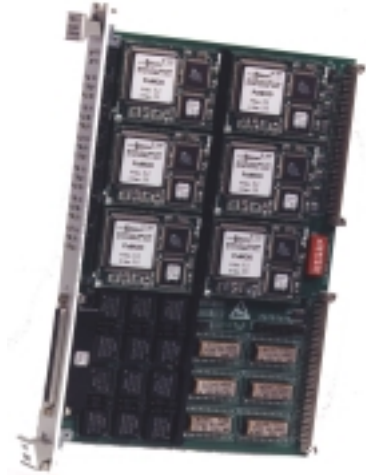


EXC-1553VME/Px

MIL-STD-1553

THE EXC-1553VME/Px IS AN ADVANCED MIL-STD-1553 TEST AND SIMULATION BOARD FOR VME AND VXI HOST COMPUTERS. THE BOARD SUPPORTS UP TO SIX DUAL REDUNDANT 1553 CHANNELS AND IS COMPATIBLE WITH ALL COMMON VARIATIONS OF MIL-STD-1553 (A, B, F-16, MCAIR). EACH CHANNEL OF THE EXC-1553VME/Px CAN OPERATE SIMULTANEOUSLY AS A BUS CONTROLLER AND UP TO 32 REMOTE TERMINALS OR AS A TRIGGERABLE MONITOR. IN ADDITION, ERROR INJECTION (BC AND RT MODES) AND ERROR DETECTION (ALL MODES) ARE SUPPORTED ON EACH CHANNEL.



THE EXC-1553VME/Px IS SUPPLIED WITH C DRIVERS, INCLUDING SOURCE CODE. A C-SIZE VERSION OF THIS PRODUCT, EXC-1553VXI/Px, IS ALSO AVAILABLE.

GENERAL SPECIFICATIONS

SUPPORTS 1553A/B, F-16, MCAIR
HANDLES 4 μSEC INTERMESSAGE GAP (ALL MODES)
32 K BYTES DUAL PORT RAM (PER CHANNEL)
BOARD SETUP MODIFIABLE IN REAL TIME
PROGRAMMABLE INTERRUPTS

OPTIONAL VARIABLE AMPLITUDE TRANSCEIVERS
DIRECT OR TRANSFORMER COUPLING
PROGRAMMABLE TIME TAG (RT & MON)
ERROR INJECTION (BC & RT)

BUS CONTROLLER

PROGRAMMABLE INTERMESSAGE DELAY
PROGRAMMABLE RT RESPONSE TIME OUT
PROGRAMMABLE FRAME TIME
LOOP AND SINGLE-SHOT MODES

REMOTE TERMINAL

UP TO 32 RTs
SELECTABLE BROADCAST MODE
PROGRAMMABLE MODE CODE SUBADDRESS ID
PROGRAMMABLE STATUS WORD
PROGRAMMABLE RT RESPONSE TIME

BUS MONITOR

THREE OPERATIONAL MODES:
THREE STORAGE MODES:
PROGRAMMABLE TRIGGER WORDS AND TRIGGER MASKS

FIXED BLOCK, LINK LIST, LOOK UP TABLE
STORE ALL, STORE ONLY, STORE AFTER

HOST INTERFACE

VME COMPLIANCE
VXI COMPLIANCE
MEMORY SPACE OCCUPIED
INTERRUPTS
POWER (/P1)

SLAVE A16, A24/A32: D8/D16
REGISTER BASED
32K x 8 PER CHANNEL
IRQ 2 - 15
+5v ±5% @ 1.2A

PHYSICAL CHARACTERISTICS

MECHANICAL FORMAT (VXI INCLUDES RFI/EMI SHIELD)
WEIGHT (/P1)

160MM x 233MM (B SIZE) OR 340MM x 233MM (VXI C SIZE)
400 GRAMS

OPERATING ENVIRONMENT

TEMPERATURE
HUMIDITY
MTBF (/P1)

0 - 70° C
5% - 90% NONCONDENSING
99,500 HOURS AT 25° C, G_F

SOFTWARE SUPPORT

C DRIVERS WITH SOURCE CODE BASE ON VISA SPECIFICATION

WINDOWS 9x/ WINDOWS NT

ORDERING INFORMATION

EXC-1553VME/Px

1553 INTERFACE FOR VME (B SIZE) VME HOST 1 - 6 MODULES

EXC-1553VME/Px-E

RUGGEDIZED MODEL

EXC-1553VXI/Px(-E)

1553 INTERFACE FOR VXI (C SIZE) VXI HOST 1 - 6 MODULES(RUGGEDIZED)

EXC-1553VME/VXI/PMx

ANY OF ABOVE WITH CONCURRENT BC/RT/BUS MONITOR