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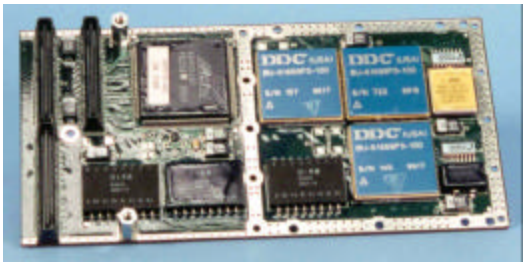
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P1553 (1553 PMC)

Tri-Channel, Dual Redundant MIL-STD 1553B Interface (Single or Dual Channel Optional)

The **VISTA P1553** PMC Module provides a Tri-Channel, Dual Redundant 1553B interface. The Module is based on the New DDC Mini ACE Plus chip and meets the requirements for 1553A, 1553B Notice 2 and STANAG 3838.



APPLICATIONS

Navigation Systems
Fire Control Systems
Flight Control Systems
Sight-head Stabilization
Data Collection
Communication
C3I

Available modes of operation are:

BC (Bus Controller)
RT (Remote Terminal)
BM (Bus Monitor)

32 Kbytes of EEPROM is provided for storage of the BIT routines, board ID information and user program storage.

The VISTA P1553 Module is unique in it's offering of 128 K bytes of Buffer. This offering makes this module ideal for Bus Controller functions and also for applications that require adding a function in software.

The P1553 PMC Module is designed to comply with IEEE - 1386.1 for air cooled versions and to the VSO VITA-20 ccPMC draft specification. This will allow the P1553 PMC module to be used with all compliant VME boards.

The P1553 PMC Module is designed specifically for use with the SCORE Series of PowerPC based processor boards.

The VISTA PMC Family is designed specifically for I/O across the back plane. Therefore, no provision is made for front panel I/O connections.

- **Tri-Channel, Dual Redundant MIL-STD 1553 bus interface(single or dual channel interfaces optional)**
- **128 Kbytes Dual Port Ram Buffer Memory**
- **DMA Controller**
- **32 Kbytes EEPROM**
- **BC/RT/BM features**
- **Protocols Supported:**
  - **MIL-STD 1553A**
  - **MIL-STD 1553B Notice 2**
  - **STANAG 3838**
- **JTAG port**
- **1553 library support**
- **Interfaces Supported:**
  - **Transformer coupled**
  - **Direct coupled**
- **External trigger for BC Mode and RT status**
- **Hardware or Software Selectable RT addresses**
- **PMC Interface**
- **Air Cooled & Conduction Cooled versions available**
- **BIT (Built In Test)**

System Features

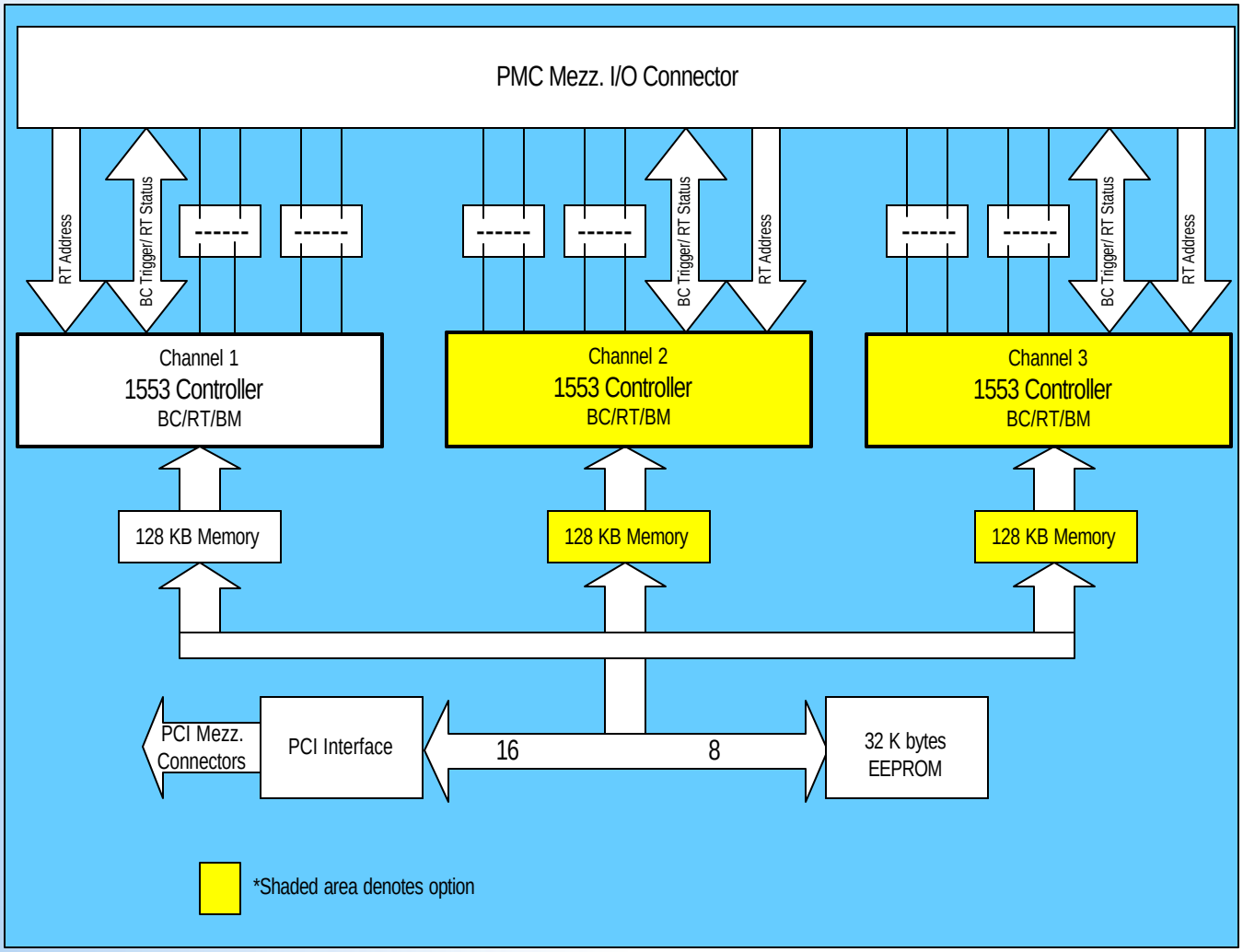
- ***VxWorks Drivers available***
  (call for other OS support)
- ***Conduction Cooled, -55°C to +85°C Operating Temperature (Class 4; see Environmental Classifications)***
- ***0.1 g^2 / Hz Vibration per Mil-Std-810E, (Class 4)***
- ***40G Shock per Mil-Std-810E, (Class 4)***

VISTA CONTROLS
A Curtiss-Wright Company

27825 Fremont Court
Santa Clarita, CA 91355
(661) 257-4430 phone
(661) 257-4782 fax

P1553 (1553 PMC)

Tri-Channel, Dual Redundant MIL-STD 1553B Interface (Single or Dual Channel Optional)



Order Option Code	1553 Channels
100	Single Channel, Dual Redundant
200	Dual Channel, Dual Redundant
300	Tri Channel, Dual Redundant

Ordering Information: (call if your configuration is not shown)

P1553 - CLx - yyy

Order Option Code From 1st Column of Table

Environmental Class
1= laboratory, convection cooled
2= rugged, convection cooled
3= rugged, conduction cooled
4= Mil Temp, conduction cooled
(see environments table in catalog for more detail)

*See Order Option Sheet for more detailed information on option

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