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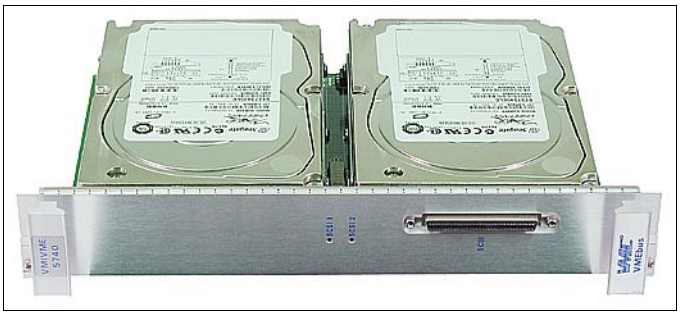
Find the *Abaco Systems / VMIC VMIVME-5740-42* at our website: *Click HERE*

Embedded Systems

VMIVME-5740

6U VMEbus SCSI Hard Disk Drive Module

- ***Supports up to two SCSI SCA-2 hard disk drives***
- ***Supports Ultra320 connectivity***
- ***Hard disk capacity up to 147 Gbyte***
- ***One SCSI HD68 connector on the front panel***
- ***Onboard SCSI bus active termination***
- ***SCSI ID Select***



Functional Characteristics

Introduction: The VMIVME-5740 hard drive module allows two SCSI hard disk drives to be added to any VMEbus embedded system with a SCSI interface. Ultra320 SCSI drive connectivity is provided through two SCA-2 80-pin internal connectors. SCSI IDs are set by onboard switches.

Product Overview: The VMIVME-5740 Ultra320 SCSI hard disk drive module is specifically designed for storage on workstations, server systems and computer clustering applications without need for additional sub-chassis. Due to its high network bandwidth, it is well suited for telecom, signal processing and distributed computing applications. Ultra320 SCSI supports synchronous transfer rates up to 320 Mbyte/s on a Low Voltage Differential (LVD) SCSI bus.

NOTE: The VMIVME-5740 must be connected at the end of the SCSI chain.

Technical Specifications

SCSI Transfer Rate: Up to 320 Mbyte/s

Physical/Environmental Specifications

Temperature: Operating: 0 to +50 °C
Storage: -25 to +80 °C

Airflow: Forced air cooling required, 350 LFM minimum measured at the top outlet of the chassis

Relative Humidity: Operating: 5% to 95%, noncondensing
Storage: 5% to 95%, noncondensing

Power Requirements:
+5 VDC (±5 percent), 8 A typical (drive dependent)
+12 VDC (±5 percent), 0 A (voltage not used)
-12 VDC (±5 percent), 0 A (voltage not used)

Network Connections: SCSI, maximum distance - 12 m (LVD mode)

Ordering Options

July 19, 2004 800-005740-000 A		A	B	C	D	E	F
VMIVME-5740	–			0	0	0	

A = Disk Options
0 = No Disk Drive
1 = Reserved
2 = 18 Gbyte Drive(s)
3 = 37 Gbyte Drive(s)
4 = 73 Gbyte Drive(s)
5 = 147 Gbyte Drive(s)

B = Quantity of Disk Drives
0 = No Disk Drive
1 = One Disk Drive
2 = Two Disk Drives (of equal size)

C through E = 0 (Options reserved for future use.)

F = Special Sales Order
0 = VME standard front panel
1 = IEEE 1101.10 front panel

Ultra320 SCSI Connector Data

VHDCI-to-HD68 cable 0.8 m (PN 360-000066-001)

Notes

All VME single board computer products come standard with a VME specification compliant front panel.
GE Fanuc Embedded Systems reserves the right to substitute hard drive sizes where applicable. Any option not shown is reserved by GE Fanuc Embedded Systems for future use.

For Ordering Information, Call:
1-800-322-3616 or 1-256-880-0444 • FAX (256) 882-0859
Email: info.embeddedsystems@gefanuc.com
Web Address: www.gefanuc.com/embedded
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MTBF: TBD

Regulatory: CE Mark

The VMIVME-5740 has been designed to meet the following CE Standards where applicable:

EN55022/55024-1
EN55022 Radiated Emissions Class A
EN55022 Conducted Emissions Class A
EN61000-3-2 (Harmonic Current Emissions)
EN61000-3-3 (Voltage Fluctuations and Flicker)
EN61000-4-2 (ESD)
EN61000-4-3 (Radiated Immunity)
EN61000-4-4 (EFT)
EN61000-4-5 (Surge)
EN61000-4-6 (Conducted RF)
EN61000-4-8 (Power Frequency Magnetic Fields)
EN61000-4-11 (Voltage Dips and Interruption)

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Ultra320 SCSI:

Table 1 is a matrix comparing Ultra320 SCSI against the other connectivity technologies.

Table 1. Comparative Matrix

	Maximum Transfer Speed	Maximum Cable Length	Maximum Number of Devices	Application Performance
IDE/UDMA 33	33 Mbyte/s	18 inches	2	Low
IDE/UDMA 66	66 Mbyte/s	18 inches	2	Low/Medium
Wide Ultra SCSI	40 Mbyte/s	1.5 meters	16	Low/Medium
Wide Ultra2 SCSI	80 Mbyte/s	12 meters	16	High
Fibre Channel	200 Mbyte/s	10 kilometers	126	High
Ultra160 SCSI	160 Mbyte/s	12 meters	16	High
Ultra320 SCSI	320 Mbyte/s	12 meters	16	High

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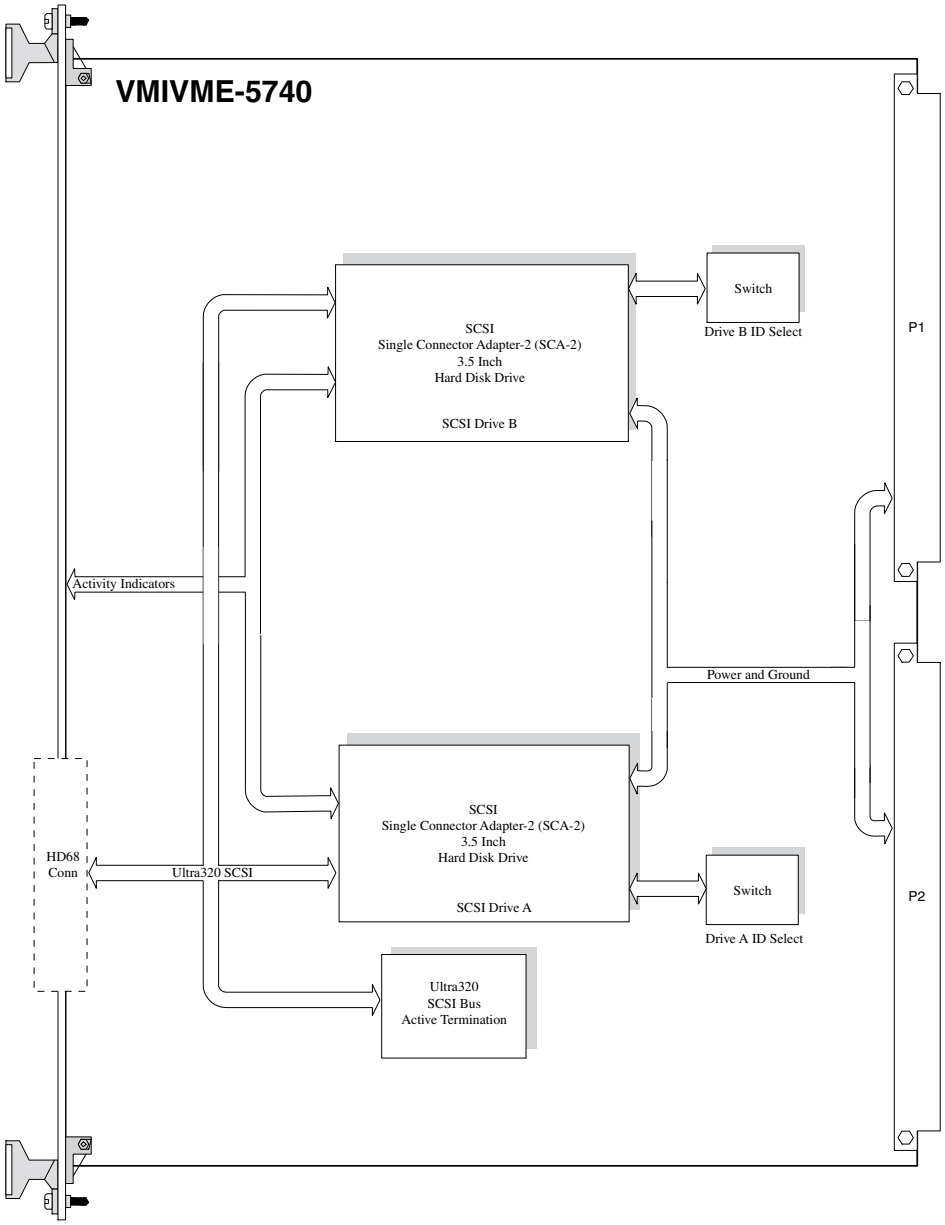


Figure 1. VMIVME-5740 Functional Block Diagram

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