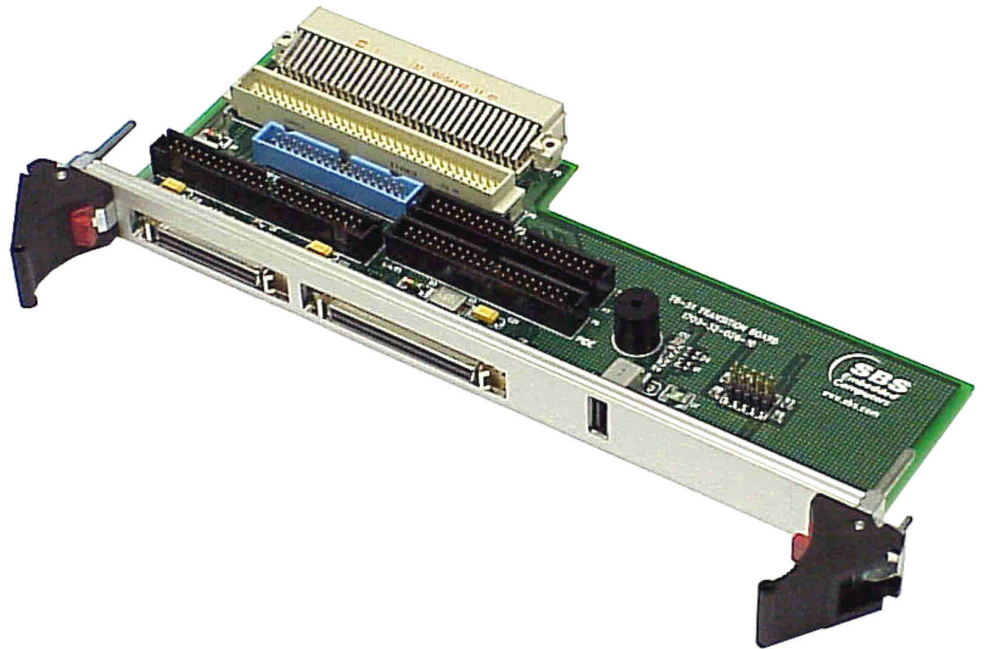


VME-TB51

Transition Board
for the V5C Embedded PC

Features

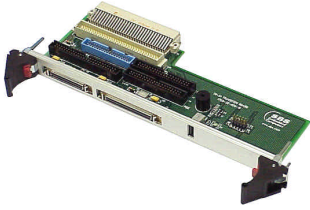
- Directly plug compatible with the V5C Embedded PC
- P2 ribbon cable break-out for floppy, IDE and SCSI
- Power distribution for drives
- Provides P2 peripheral interface for drive modules
- Provides both 50-pin (8-bit) and 68-pin (16-bit) SCSI interfaces
- Front panel USB interfaces



The **VME-TB51** transition board is a companion to the V5C embedded PC for connecting remotely mounted floppy drives and hard drives. The VME-TB51 routes the V5C peripheral control signals supplied by rows *a*, *c*, *d*, and *z* of the P2 connector to ribbon cable connectors. The ribbon cable connectors are compatible with industry standard signal definitions. The VME-TB51 plugs directly onto the back of the P2 backplane in the slot position occupied by the V5C. The extended VMEbus signals on row *b* are not connected to the VME-TB51. The backplane must have extended pins with shrouds to accommodate the VME-TB51 connector.

The floppy drive interface is provided to a 34-pin male header connector which will accept most standard floppy cable assemblies. The Primary and Secondary IDE hard drive interfaces are provided to two 40-pin male header connectors which will accept most standard IDE cable assemblies. The VME-TB51 has both 50-Pin (8-bit) and 68-Pin (16-bit) SCSI interface connectors on the Front panel, and an additional 50-Pin Header on-board. The front Panel also contains a USB connector, P3.

In installations where the operating power is directly supplied to the floppy and hard disk drives, no additional power connections are required.



VME-TB51

Transition Board for the V5C Embedded PC

VME-TB51 Specifications

| | | |
|----------------------|--------------------|--|
| General | Model | VME-TB51 |
| | Description | Peripheral Transition Board |
| | Host Compatibility | V5C P2 a, c, d and z rows |
| | Connectors | 34-Pin Male with Shroud (Floppy Signals) (2) 40-Pin Male with Shroud (IDE HD Signals) 50-Pin SCSI (8-bit) 68-Pin SCSI (16-bit) USB Interface 10-Pin Miscellaneous Connector |
| Electrical | Power | Drive Requirement Only |
| Physical | Size | 3.9" x 3.2" overall |
| Environmental | Temperature | 0° to 55° Celsius Inlet Air, Operating -40° to 85° Celsius, Non operating |
| | Cooling | None |
| | Humidity | 10 to 90% RH, Non-Condensing |
| | Shock | 6G Max. Operating, 10G Max. Non-Operating |

VME-TB51 Ordering Number

VME-TB51 P2 Adapter for Disk Drives

Corporate Headquarters

2400 Louisiana Blvd. NE, #5-600
Albuquerque, NM 87110-4316
Tel 505.875.0600 Fax 505.875.0400
Email info@sbs.com

European Headquarters

Memminger Str. 14
D-86159 Augsburg, Germany
Tel +49-821-5034-0 Fax +49-821-5034-119
Email sales@sbs-europe.com

For additional contact information, please visit our web site at www.sbs.com

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