

MVME-P2, -TR

P2 Adapters for MOTOROLA CPUs

P2 adapters for MVME177, -167, -162, -147

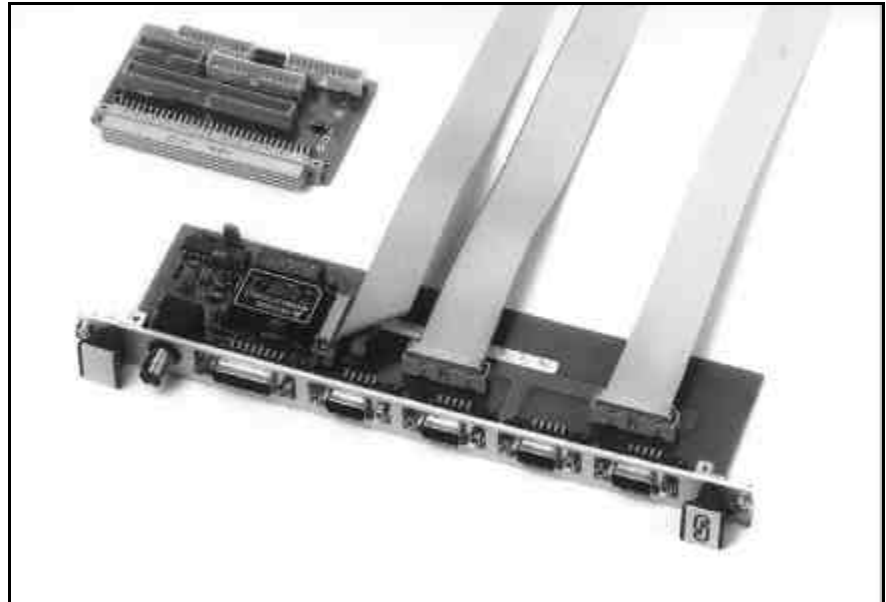
- CENTRONICS interface via 26-pole post connector
- SCSI via 50-pole post connector
- AUI port via 16-pole post connector
- Connection for VME power supply

IEEE802.3

- Cheapernet interface to BNC connector and AUI interface

Applications

- Backplane and front panel wiring in 19" systems
- Compatible in function to MVME712



CPU Port Wiring

MVME adapters serve the port wiring of MOTOROLA CPUs MVME147, -162, -167, -172, -177, -1600-11, -2600 and -3600.

The adapter board MVME-P2 is connected to the P2 connector of the CPU. The adapter boards MVME-TR-ETH/SER4 or MVME-TR-AUI/BNC, which can be mounted to a rear panel or front panel, are connected to the MVME-P2 connector via ribbon cable.

MVME-P2

The SCSI interface can be connected to the MVME-P2 via a 50-pole ribbon cable connector. For termination of the bus signals, resistance nets in sockets can be used. The power supply for external termination nets is fused by a miniature fuse.

Via a 26-pole post connector the CENTRONICS interface can be used.

The AUI signals, which apply directly at the CPU P2 connector, are accessible via a 16-pole post connector. Moreover, VMEbus power supply (+5 V) to P2 can occur via the fast-on connector.

In addition via the MVME-P2 the adapter board MVME-TR-AUI/BNC or MVME-TR-ETH/SER4 can be connected.

MVME-TR-ETH/SER4

This adapter board enables a conversion of the AUI interface to an IEEE802.3 (Cheapernet) interface. The interface is electrically isolated from the VMEbus potential and contains a BNC connector for net connection. Besides the BNC connector, the AUI signals are accessible via a 15-pole DSUB connector.

For the adapter various front panels are available.

Additionally, the four serial CPU interfaces are fed to four 9-pole DSUB connectors. For the adapter various front panels are available.

MVME-TR-AUI/BNC

The MVME-ADA-ETH is an AUI to Cheapernet converter. It can be connected via a ribbon cable to e.g. the AUI connector of the adapter MVME-P2 or to each other AUI connector and can be equipped with a front panel.

The Cheapernet interface is designed just like the one of the MVME-TR-ETH/SER4 adapter. The AUI signals are also fed through to a DSUB connector at the front panel.

Connecting Lines

Besides the adapter boards, esd offers various connecting cables for connection of the CENTRONICS port, the SCSI interface and the AUI interface. The lines are realized by ribbon cables.

The transition connectors are equipped with interlockings (AUI, SCSI) or screws (CENTRONICS, serial interfaces).

A summary of the connecting lines is displayed on the following pages.

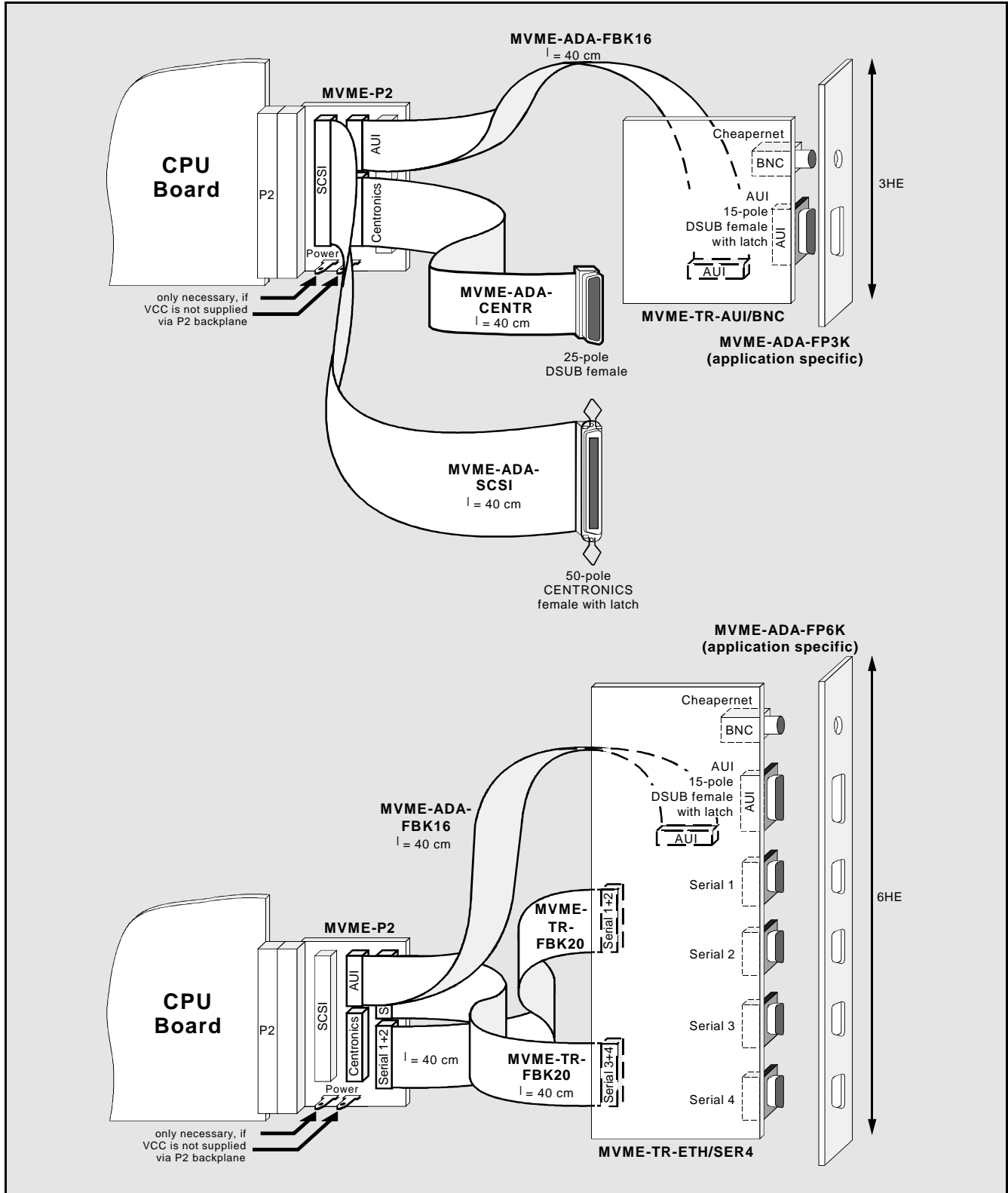
Front Panels

For installation of the adapter boards at the front panel or rear panel of 19" racks, manufactured front panels are available. Moreover, esd offers customised front panels, to include further or other connectors at the front panel on demand.

MVME-P2, -TR

P2 Adapters for MOTOROLA CPUs

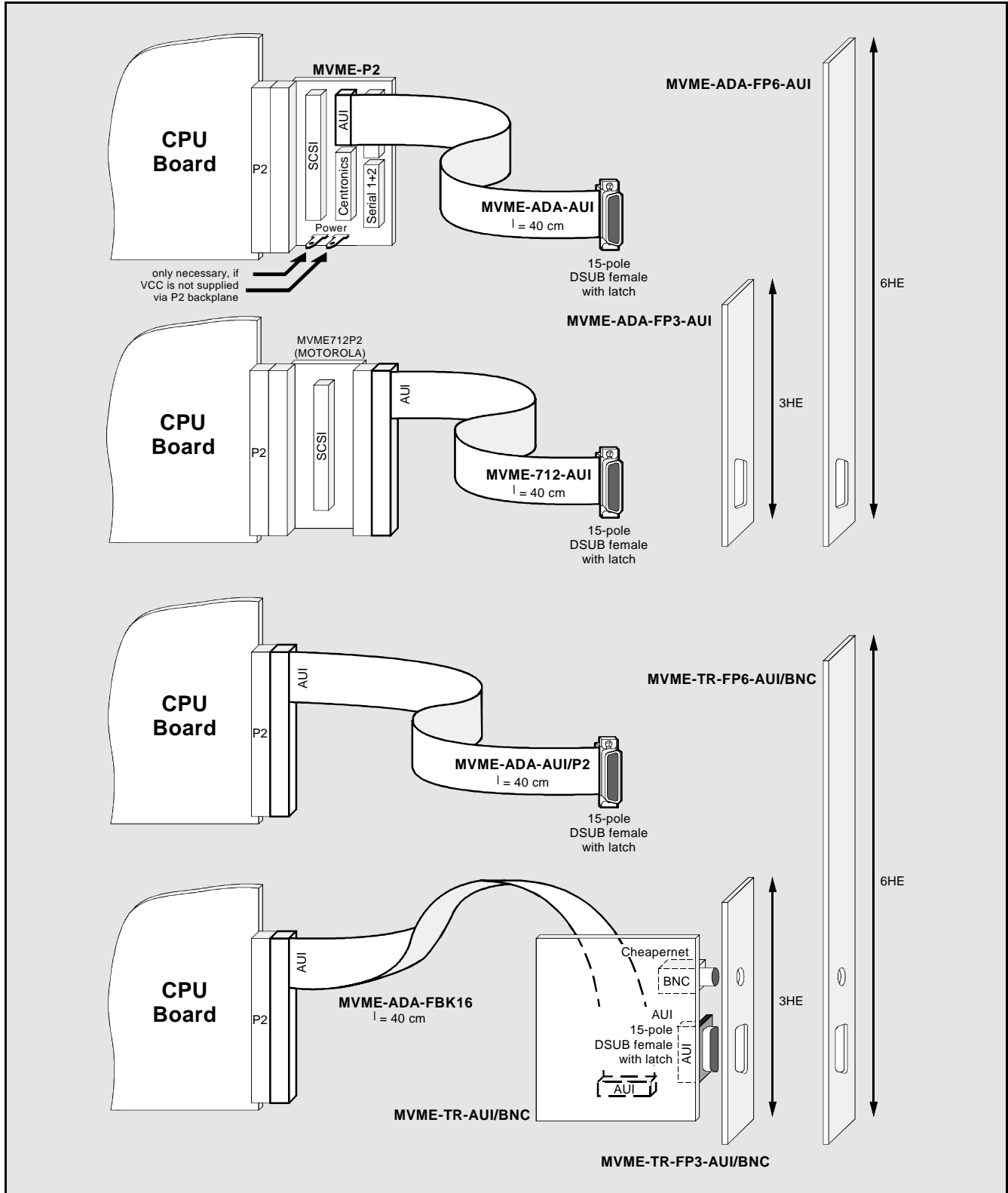
Configuration Examples for MVME147, -162, -167, -172, -177, -1600-11, -2600 and -3600:



MVME-P2, -TR

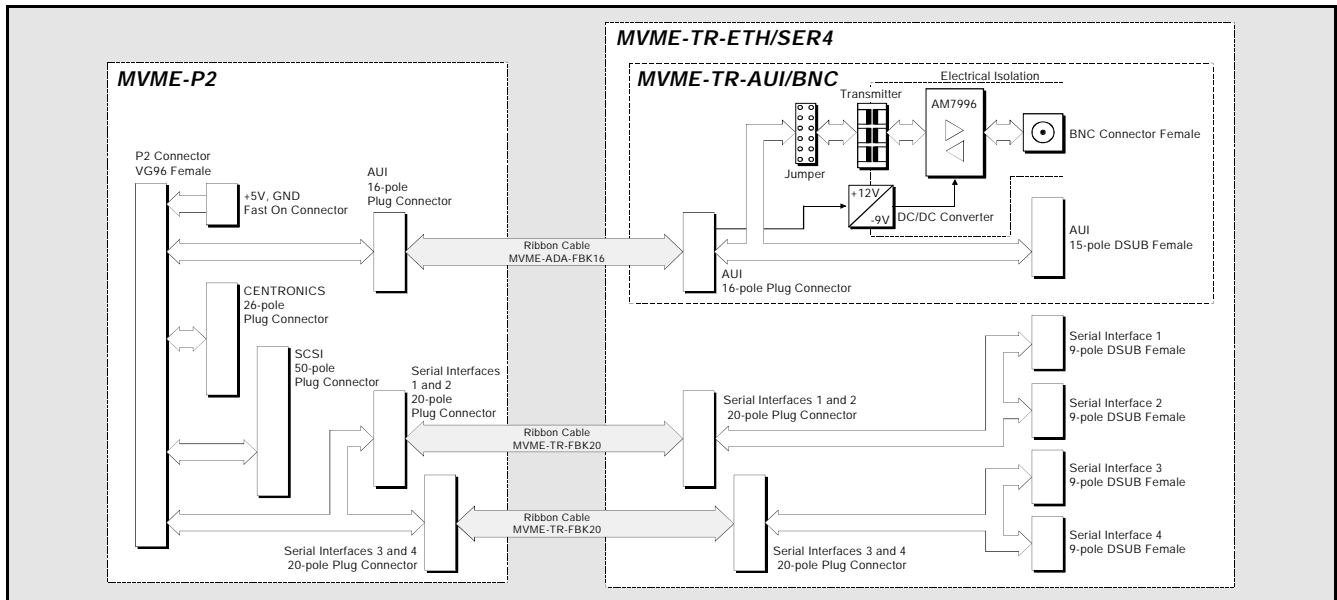
P2 Adapters for MOTOROLA CPUs

Configuration Examples for MVME147, -162, -167, -172, -177, -1600-11, -2600 and -3600:



MVME-P2, -TR

P2 Adapters for MOTOROLA CPUs



Technical Specifications:

Connectors and interfaces:

SCSI-Bus interface: (MVME-P2)	50-pole post connector, terminating resistance network in sockets, TERMPWR line protected by mini fuse (1 A/fast)
CENTRONICS: (MVME-P2)	26-pole post connector
IEEE802.3 interface: (MVME-P2)	signals from CPU P2 directly to 16-pole post connector AUI
IEEE802.3 interface: (MVME-TR-ETH/SER4, MVME-TR-AUI/BNC)	signals from 16-pole post connector directly to 15-pole DSUB female (AUI) and to electrically isolated interface at BNC connector (Cheapernet)
Serial interfaces: (MVME-TR-ETH/SER4)	fed to four 9-pole DSUB male connectors
VMEbus supply: (MVME-P2)	6.3 mm fast-on connectors

General:

Suitable for MOTOROLA CPUs:	MVME147, MVME162, MVME167, MVME172, MVME177, MVME1600-11, MVME2600, MVME3600
Board sizes:	MVME-P2: 100 mm x 57 mm MVME-TR-AUI/BNC 100 mm x 72 mm MVME-TR-ETH/SER4 234 mm x 72 mm
Ambient temperature:	0...50 °C
Humidity:	max. 90%, non-condensing

Order information:

MVME-P2	SCSI, CENTRONICS, AUI, VCC, serial interface to 20-pole post connector	V.1137.02
MVME-ADA-FBK16	FBK from AUI to MVME-P2 at MVME-TR-AUI/BNC or -TR-ETH/SER4	V.1130.14
MVME-TR-FBK20	FBK serial interfaces from MVME-P2 to MVME-TR-ETH/SER4	V.1137.52
MVME-ADA-CENTR	FBK with 25-pole DSUB female with screws for front panel installation	V.1130.09
MVME-ADA-SCSI	FBK w. 50-pole CENTRONICS connector with locking for front panel installation	V.1130.31
MVME-ADA-AUI	FBK for MVME-P2 with 15-pole AUI connector with locking for front panel	V.1130.06
MVME-712-AUI	FBK from MVME712P2 to 15-pole AUI connector with locking for front panel	V.1130.12
MVME-ADA-AUI/P2	FBK from P2/CPU directly to 15-pole AUI connector with locking for front panel	V.1130.07
MVME-ADA-ETH/P2	FBK from CPU P2 connector to adapter board MVME-TR-AUI/BNC	V.1130.18
MVME-ADA-FP3-AUI	3 U front panel for AUI	V.1130.13
MVME-ADA-FP6-AUI	6 U front panel for AUI	V.1130.19
...-TR-FP3-AUI/BNC	3 U front panel for AUI and BNC	V.1137.54
...-TR-FP6-AUI/BNC	6 U front panel for AUI and BNC	V.1137.53
MVME-ADA-FP3K	3 U front panel accord. to drawing	V.1130.15
MVME-ADA-FP6K	6 U front panel accord. to drawing	V.1130.16