



ENGLISH

Datasheet

Eurocard bus systems

RS Stock number 110-2444



Microbus backplanes

Features

PTH Eurocard backplanes designed for use with microprocessors

Reliability of plated through holes

Minimal crosstalk

DIN 41612 connectors

DIN 41494 card frame compatible

Choice of connector styles and pitches:

3HP (15,24mm) for PCB's for hard wired daughter boards. 4HP (20,32mm) for two level wire wrap daughter boards



64/96 Way version

A low cost version of the Microbus backplane still with the reliability of plated through holes but restricted in use to only 64/96 way connectors. The basic design is very simple, with pin 1 and 32 on rows a and c committed to 0V with a complete 0V screen over one side of the board. Pin 2 and 31 on rows a and c are committed to VCC. This leaves 56 separate signal lines from pin 3 a and c to pin 29 a and c inclusive.

Crosstalk

Tests have been carried out on the 84HP version by feeding a 1MHz square wave signal (5ns rise and fall times), through a DIN 41612 connector and measuring the adjacent tracks at the opposite end.

Note:

The Microbus motherboard was not terminated, which would have reduced the amplitude to the crosstalk and changed its shape considerably.

Conn. type	Conn. pitch (HP)	Size/Slots	Length
64/96	20,32 (4HP)	84HP/28	426,3 mm