



Title: MultiFlex breakout connectors
Products(s): MultiFlex 1440, MultiFlex 1040
Keywords: MultiFlex, Cable, VHDCI, SCSI, Breakout
ID#: TN1057
Date: August 5, 2004

Summary

For OEM applications, in order to minimize cost and to best match the footprint requirement and wiring layout of the machine, PMC Corp. recommends that the machine builder design their own signal breakout assembly.

More Information

To maximize noise immunity and provide comprehensive axis I/O functions PMC uses 68 contact 0.8mm VHDCI (Very High Density Cable Interconnect) connectors (otherwise known as SCSI V or Ultra SCSI). This connector is available from Amp (P/N 787962-2).

For OEM's designing their own signal breakout, to minimize cabling and breakout cost PMC recommends the interconnect cable **not** use a VHDCI connector on the 'breakout end' of the cable. As with the cable (PMC P/N MFX-PCICBL) and breakout (PMC P/N ADAM-3968) that PMC offers for new user's and low volume applications, for volume OEM applications PMC recommends that the 'breakout end' of the cable use a lower density SCSI III HD68 connector.

Recommended Breakout Assembly Connector

Due to the long time popularity of SCSI III cabling there is a wide variety of mechanical options available when selecting PCB mounted HD68 connectors for your signal breakout assembly. The part numbers below are but a small sample of suitable connectors for OEM designed MultiFlex breakout assemblies:

Manufacturer	Part Number	Description
Amp	787169-7	68 contact Receptacle (Female), Right Angle, no board lock, no rails, no latch block, screw locks ordered separately
All Best	ZS-013068-2L	68 contact Receptacle (Female), Right Angle, no board lock, no rails, no latch block, screw locks ordered separately
Amp	749070-7	68 contact Receptacle (Female), Vertical, no board lock, no rails, no latch block, screw locks ordered separately
All Best	ZS-013068-1H	68 contact Receptacle (Female), Vertical, no board lock, no rails, no latch block, screw locks ordered separately