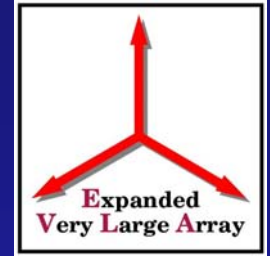# EVLA MONITOR & CONTROL CDR

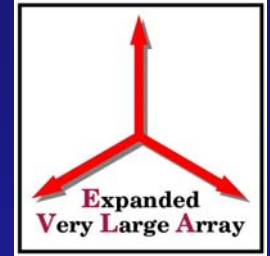## MIB INTERFACES TO DEVICES

The Need For Interface Boards

- Sometimes There Are More SPI Devices Than SPI Select Lines On The MIB

- A/D Conversions And Temperature Sensors Are Required

- Level Conversions For Digital Signals

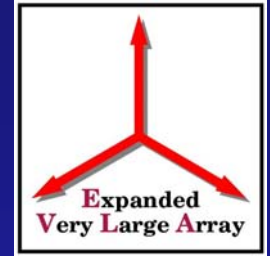- Some Chips Cannot Be Placed On Boards With Thick Copper

MIB Connection To Other Boards

- Other Boards Can Connect With MIB By Plugging Directly To Top Or Bottom

- Other Boards Can Connect With MIB By Ribbon Cable

- MIB Can Be Part Of A Stack Of Boards

Example Interface Boards

- Analog To Digital Board – Used In Several Modules

- Power Supply Interface

- DAQ2 Board

- Down Converter Interface "SPI" Board