Atlas UK Meeting 16/04/02

Adam Davis

Structure of Talk

- Processor Crate
  - Bus Bars
  - Fusing
  - Card Guides

- VME Mount Module
  - Connector
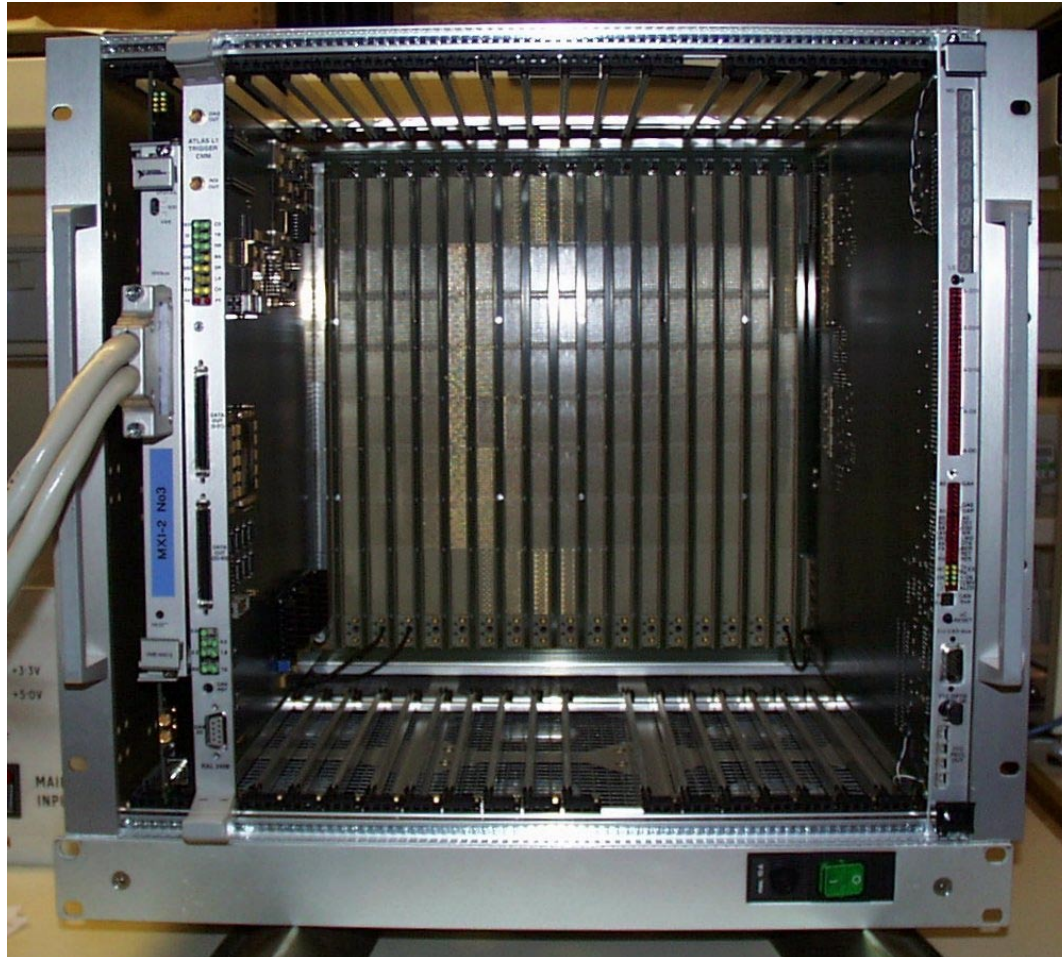 - MXI Card

- Timing Control Module
  - VME Read / Write Cycles
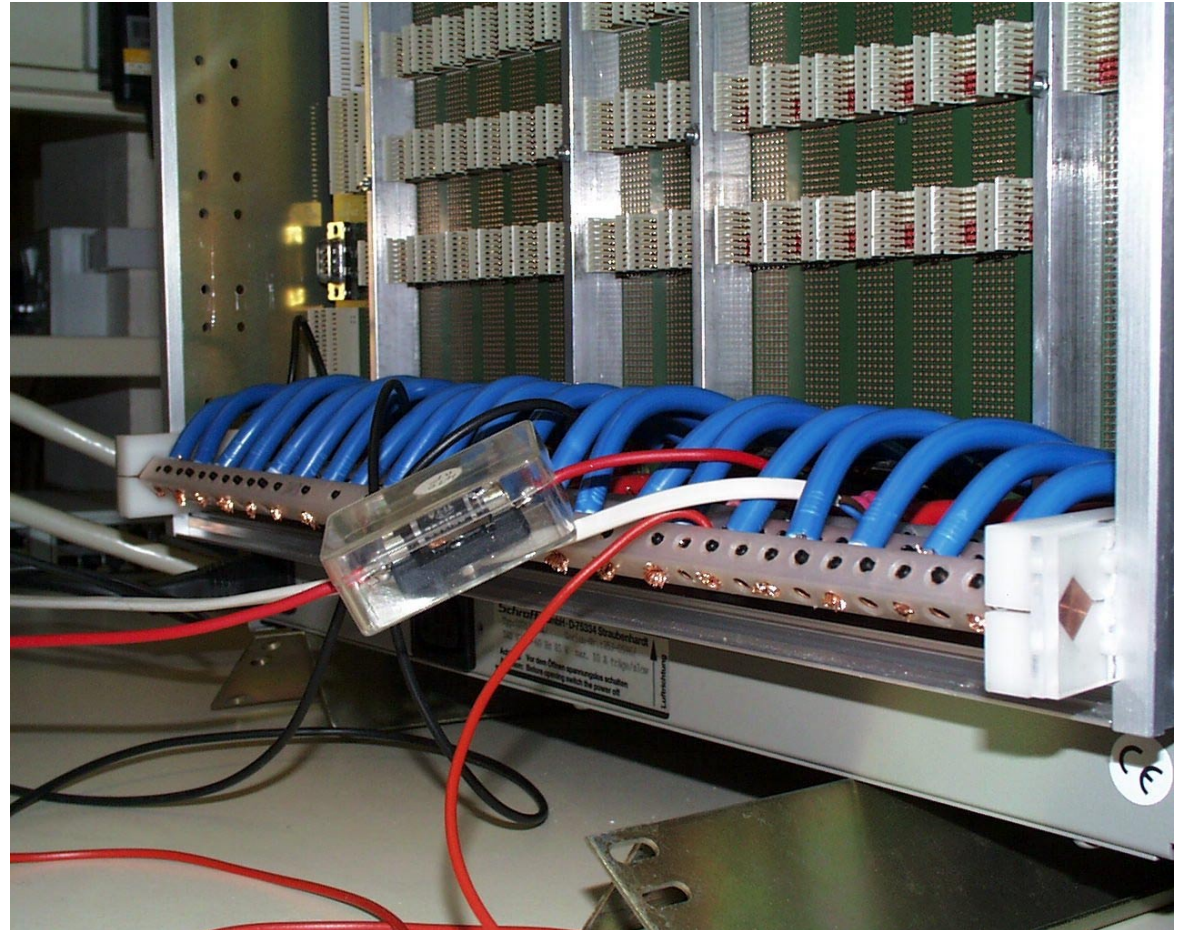 - Further Tests

- GIO
  - Board Layout
  - Status
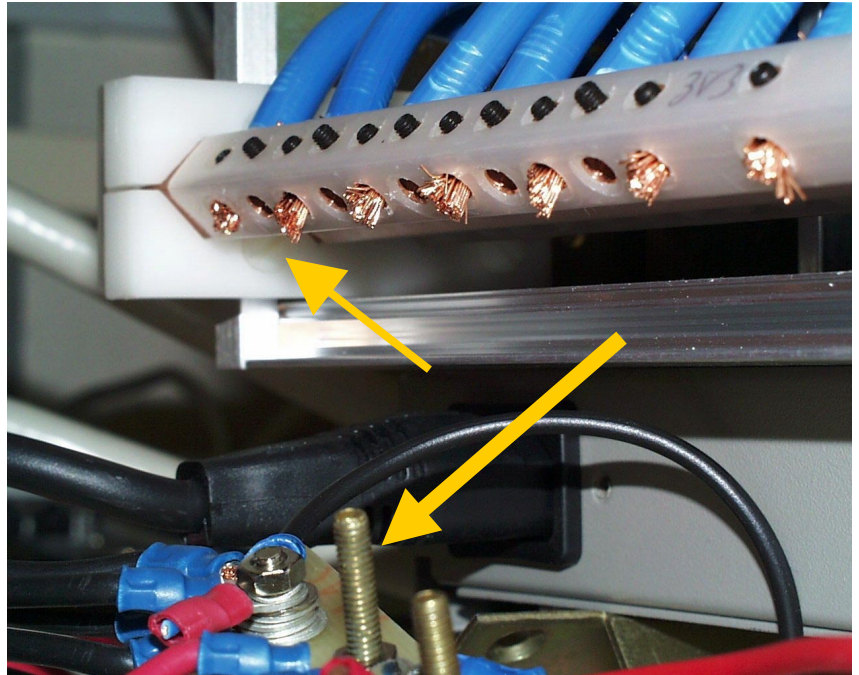
Processor Crate

Processor Crate Power

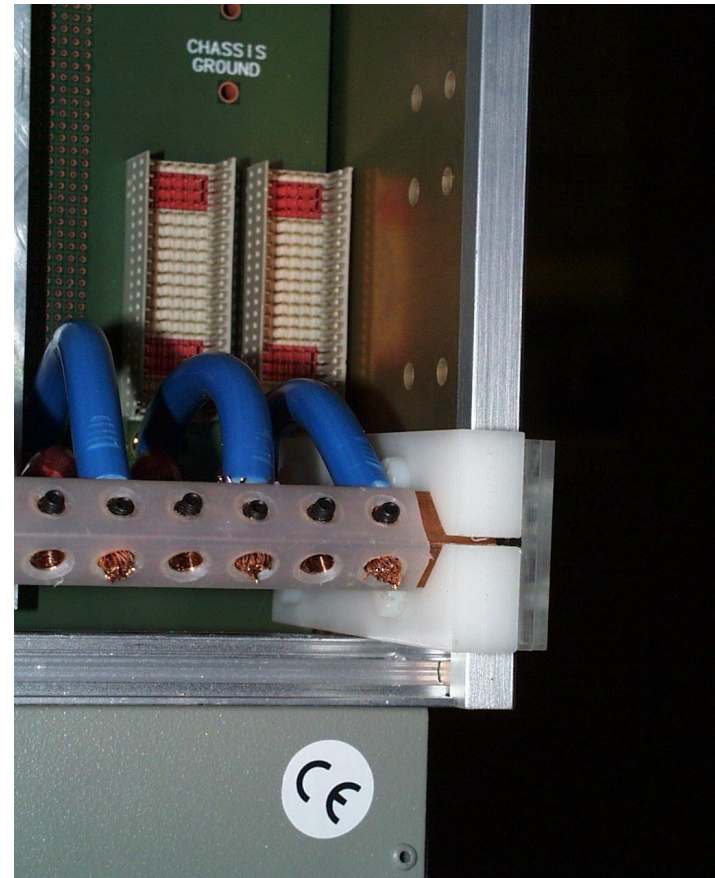- Needs a Cover on bars

- Shown in-line fuse

Left Mounting Block

- Screw Broke in Transport

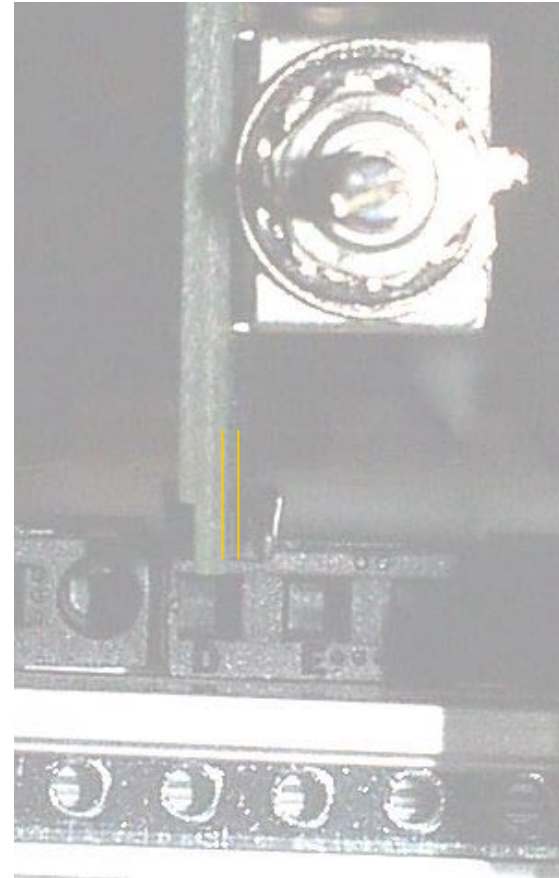- Also shows high power connections exposed and dangerous needs plastic box like fuse has

Right Mounting Block

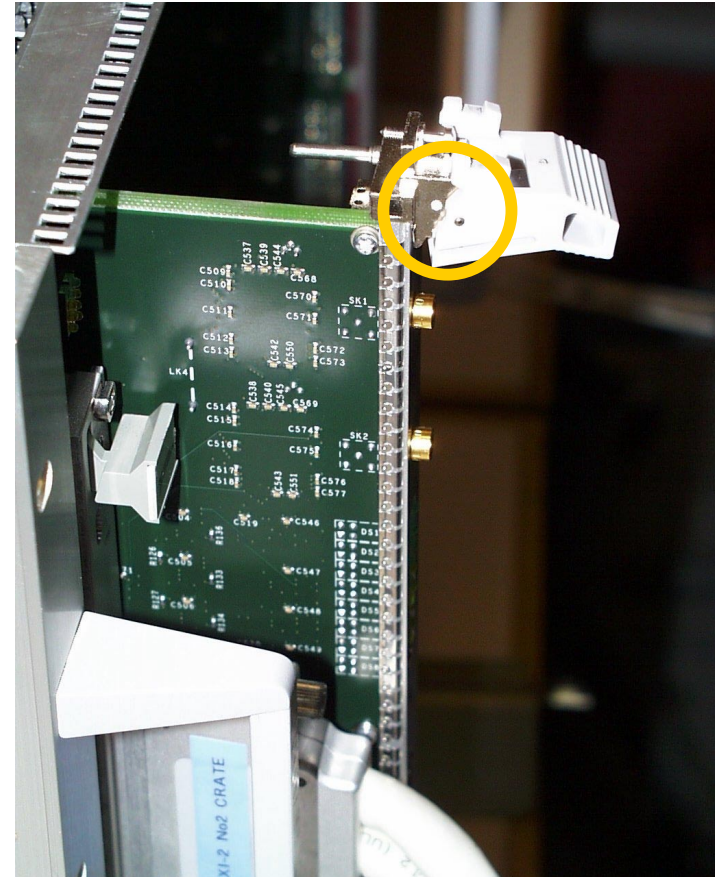- Problems mounting bars on top of one another.

Processor Crate PCB Guides

▉ Gap too large

▉ Boards do not locate properly

▉ Simply Three Options

▉ Replace all Guides.?

▉ Do not mill cards.?

▉ Make special shims.?

▉ Dave Cooper Monday

   ▉ ELMA

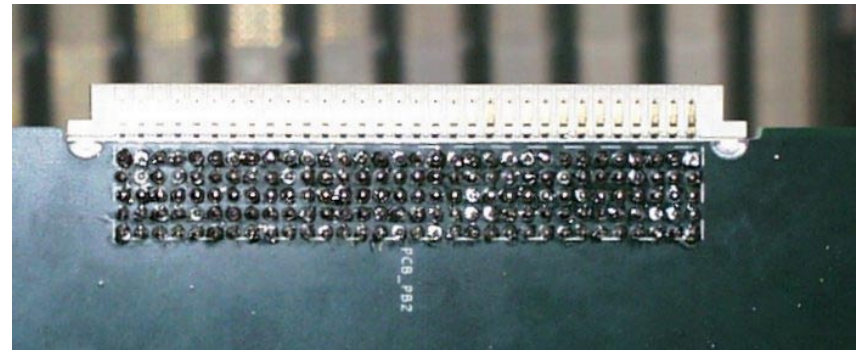   ▉ Specialist

   ▉ Polarising keys.?

Processor Crate Ejectors

■ As predicted by the majority of us, the ejector handle on the top has broken.

VME Mount Module

- Removed another connector and replaced with correct one. More connectors are on order..

- Have to cut out section of board. 2mm X 100 approx.

VME Mount Module

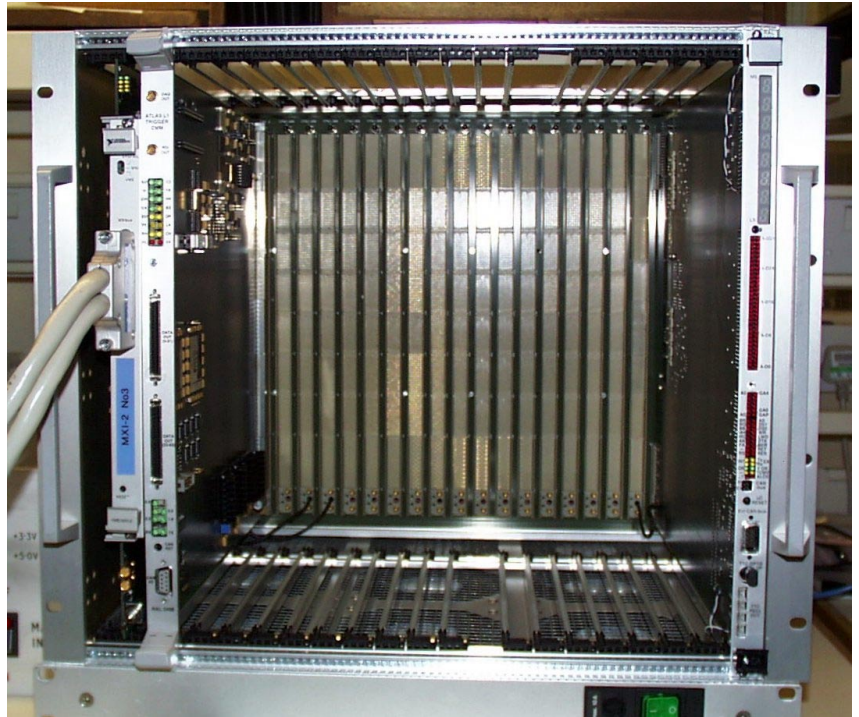- VMM Will not mount back plane in slot 1

VME Mount Module
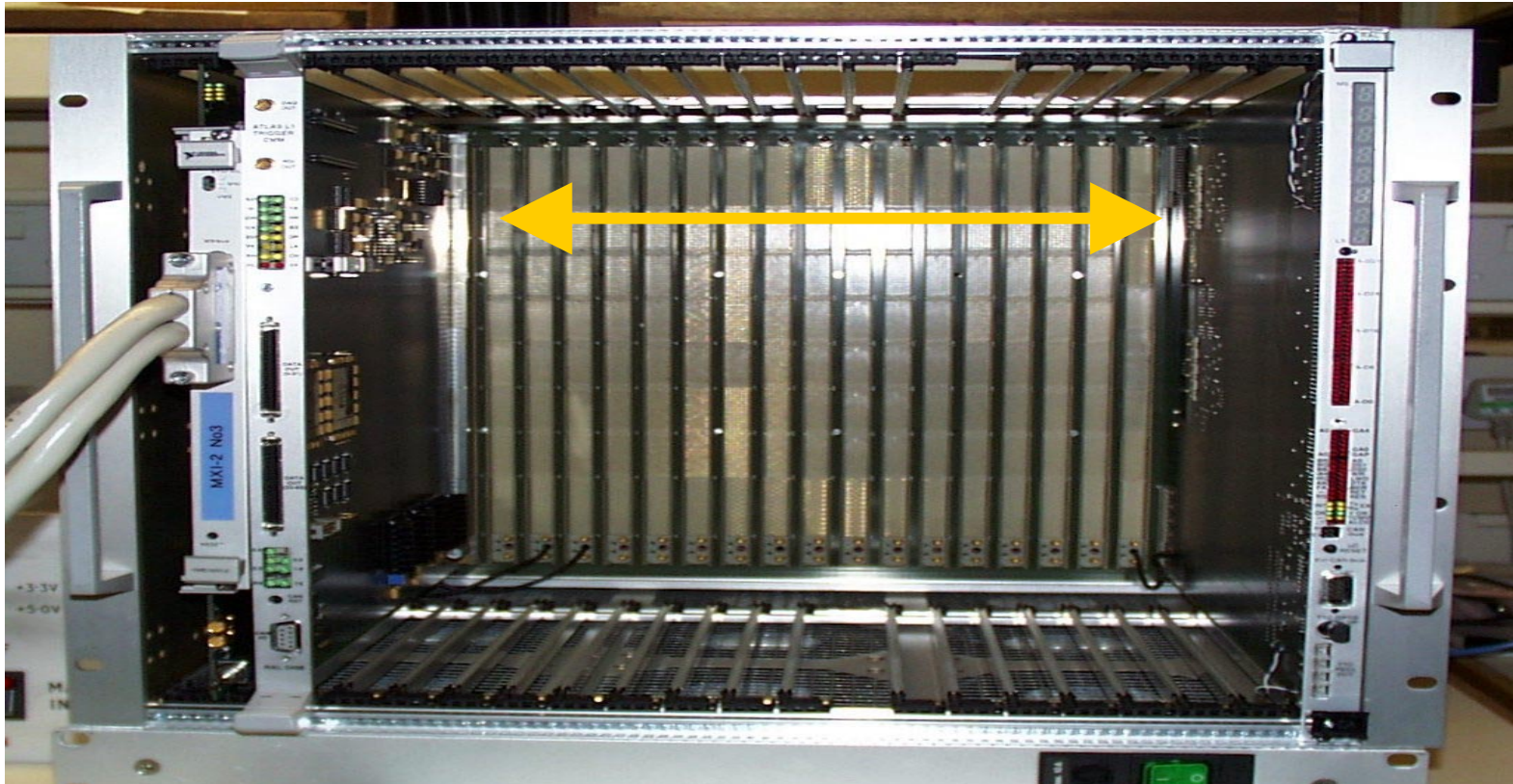
▮ It will however fit into slot 2

Timing Control Module

▮ Dave sent .mhx file last Monday

▮ No Further progress, taken off Atlas last week.

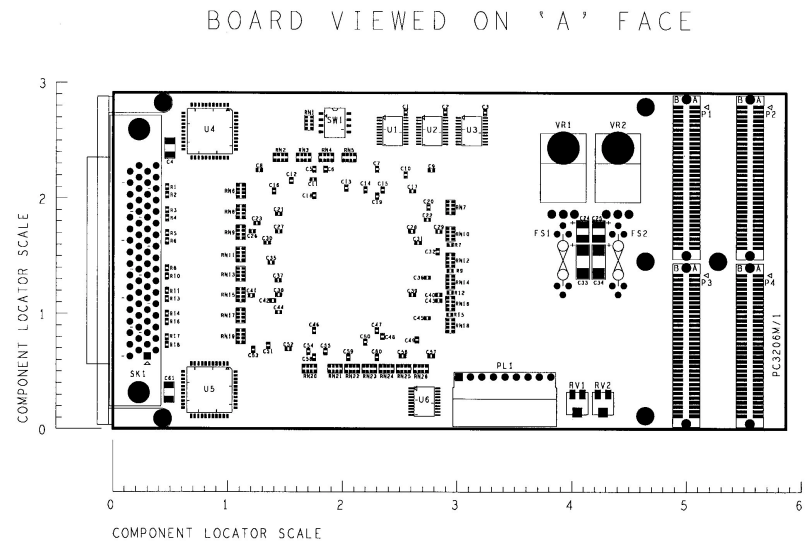▮ TCM fits in crate with current front panel.

VMM & TCM

- VME Read / Write cycles
- Write to and read from memory on TCM
- Reset Microcontroller

GIO

- Bottom View, main component side

- JTAG port changed to single row of pins

- 4 off ordered

BOARD VIEWED ON 'A' FACE

GIO

- Top View FPGA Side

- Net list checked by Richard Matson

- Can test 95% of board.