The board outline and mounting holes will be identical, where appropriate, to those of extender PCB PC3063M/1. The intention is to re-use the existing metalwork from the previous extender.

The connector mounting will be compatible with the CPM PCB: PC3189M/1.

Extender PCB is 2.0 mm thick. Track impedance is 60Ω, with differential signals at 100Ω.
Specification and additional information

- Extender will allow access to either side of module by placing module fully outside crate.

- Will only connect the following signals:

<table>
<thead>
<tr>
<th>Connector</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (Top)</td>
<td>VME control bus, SMM hit outputs</td>
</tr>
<tr>
<td>8 (Bottom)</td>
<td>CAN, TTC, JMM hit outputs</td>
</tr>
<tr>
<td>9 (Power)</td>
<td>+5v, Ground, +3.3V</td>
</tr>
</tbody>
</table>

- Signal DS0* and DTACK* (VME control bus) are buffered to ensure clean transitions. These signals are edge-sensitive.

- The extender will NOT connect through any 160 Mb/s FIO, or LVDS inputs, or the Geographical Addressing. The CPM will see the unconnected inputs as the address for Slot 15.

- Cut-out at the front of extender PCB will allow additional PCBs to be plugged into module connector. These could be attached to LVDS cables.

- Possibility of using this in a CMM slot, if certain ground connections are removed. Note that the extender will not connect any of the CMM inputs or outputs, however there is limited access to the CMM connector.

- History: Six years ago, the cost for 4 of PC3063M/1 six layer modules was £275 each plus £340 tooling, plus VAT.
Module-facing Power connector and Signal RA male.

**Problem** - The only Power plug available is the type intended for backplane mounting. There is no right-angle male version. This needs to be fixed to PCB. Possibly with body glued to PCB, and terminations soldered to PCB using pegs or brass shims.

Method to be discussed with DO.
Front Cut-out dimensions for access to module’s other signal connectors.

Clearance for a typical PCB with Connector, so as to provide additional access to CP module.

Cut back 4 mm

Section AA