

RP Patch Panel Mechanics

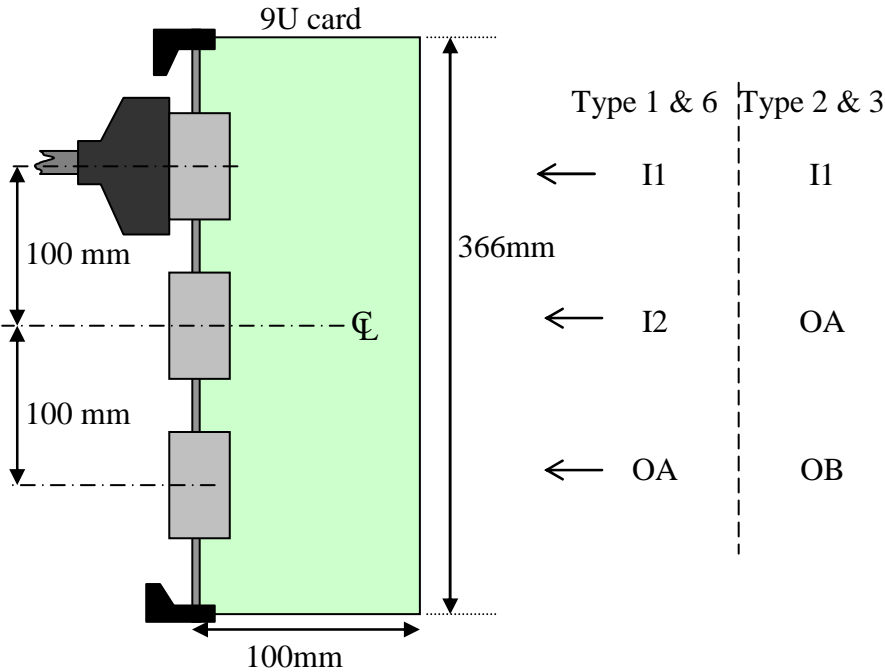
There are 6 types of design, with two styles of PCB outline and connector placement.

The two styles are:

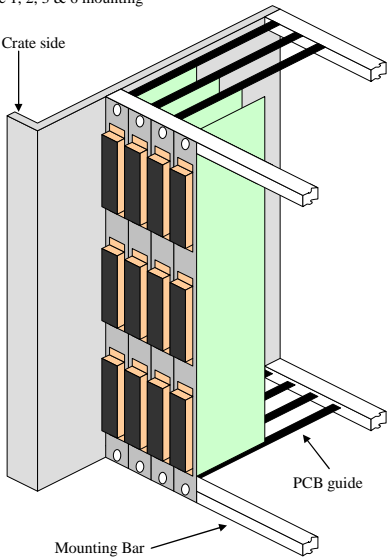
- A 9U crate mounted PCB with 3 connectors like a traditional module, except that it doesn't use the full depth of crate.
- A 6U crate mounted PCB with 9 connectors, fixed in a style similar to a front panel.

Types 1, 2, 3 & 6 RP Patch Panels are to the 9U style

3 connectors per board, arranged symmetrically about vertical centreline, with a pitch of 100mm. Module mimics the VME module standard with a front panel of width 4E.

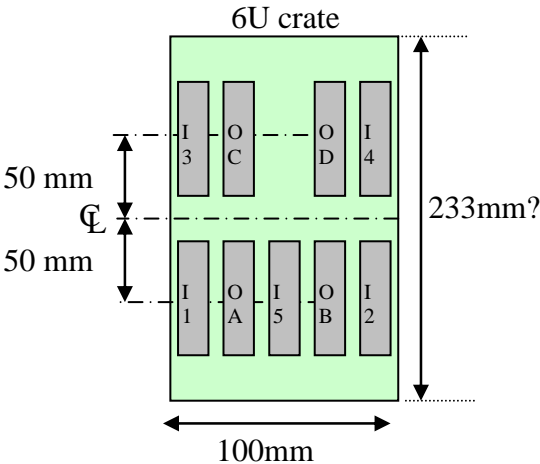


Type 1, 2, 3 & 6 mounting



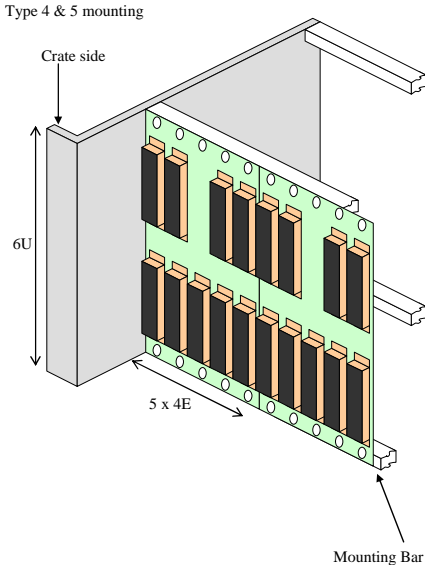
Types 4 & 5 are to the 6U style (using connectors with straight pins).

2 rows of connectors , symmetrical about vertical centreline , pitch of 100mm



Connector pitch horizontally is 4E, mimicking the Eurocard / VME standard pitch.

The PCB may be placed inside a box or cartridge for better protection. This would then sit on runners like a normal module. Scheme still to be decided.



It has been requested that the front of all modules be set back from the rack face to make the cables less vulnerable to damage.