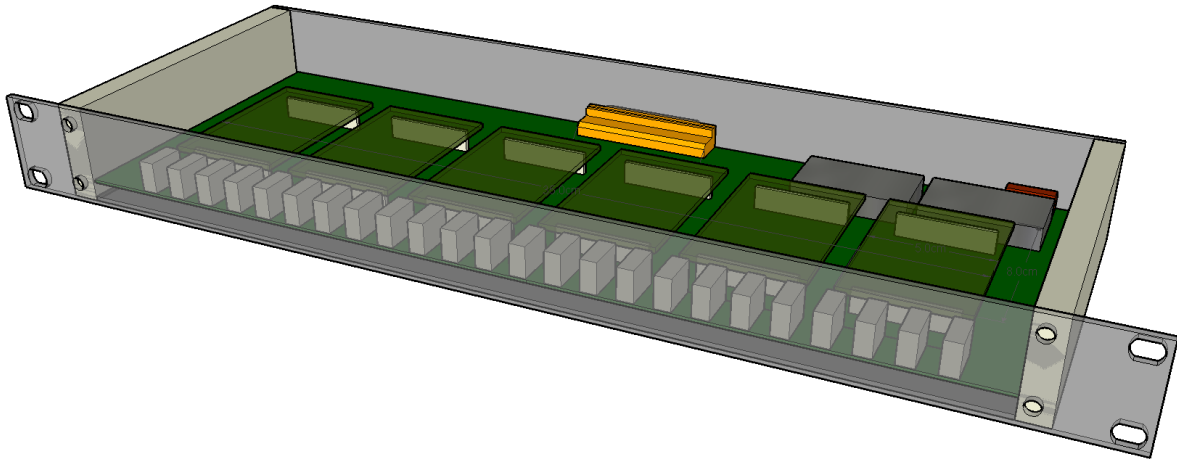


24- channel PM, PD, e- interlock distribution board

(next development)



3 D drawing by Marek Penno

Features:

- Standard interlock 4 distribution board size 1 HE, 400,6 x 150 mm
- 6 x 4 channel piggy back boards for either photomultiplier, photodiodes or e- detector inputs, size 50 x 70 mm
- connection to standard RIO extender board with 68 pin SCSI connector (32 usable I/O lines) (24 digital outputs, 5 lines for 32 DAC_sel multiplexer, 1 SPI clk, 1 SPI data, 1 spare)
- 24 SPI DACs for threshold settings of comparators
- 6 SPI DACs for controlling sucking voltage (5...30 V)of e- detectors or amplifier gain
- Integrated DC/DC power supply for 30 V, +/- 7 V analog power supply to reach full 5 V range of ADCs
- 24 Lemo inputs and 24 Lemo ADC outputs, dual Lemo connectors