

User Guide VME64x 6U Backplanes 23001 - 5xx

Assembly Instructions

Warning: It's important only if V1 and V2 are used

If the +V1 and +V2 voltage rails are tied to ground and the +12V power is used, the nominal voltage between the +12V and the -V1 and -V2 power rails is 60 volts. With voltage tolerances, the 60 volt maximum is exceeded. Additional protection might be needed to comply with local and national regulatory agencies.

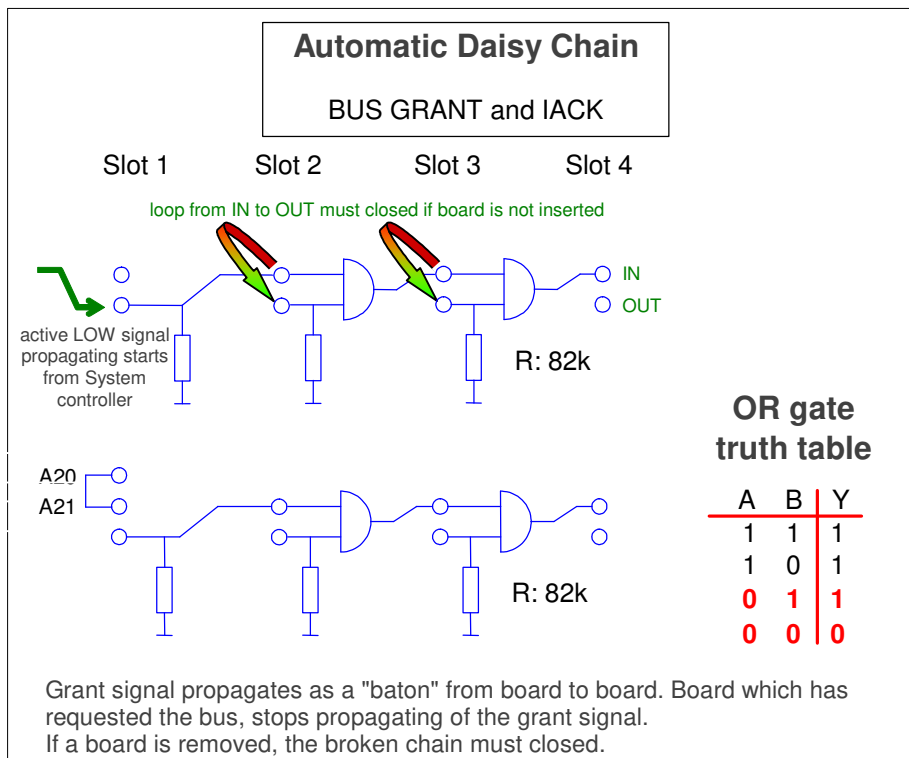
Mechanical Mounting: Attach the backplane through the mounting holes in at least every second connector position at top and bottom using M2,5 screws and isolating washers.

Chassis GND: If noise reduction shall be achieved by connecting digital GND to Chassis GND, use conductive washers instead of isolating ones. Spring washers are recommended instead of flat washers. Creepage and clearance between screw and GND are in accordance with EN60950 is maintained by layout when using isolating washers.

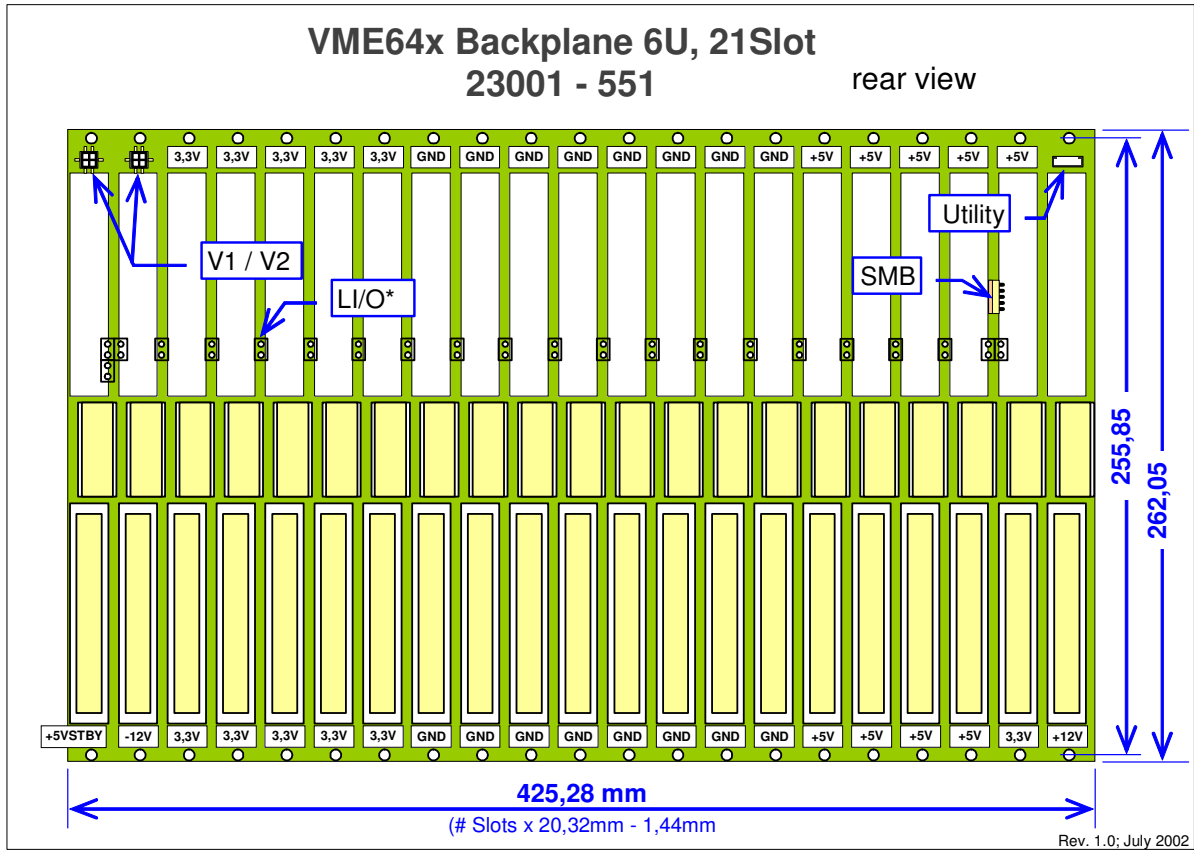
Live Insertion: Schroff VME64x backplanes fulfil the requirements of the VME Live Insertion standard VITA 1.4. The LI/I* (Live Insertion IN) is an active low input signal to a VME64x LI board that acts to enable/disable the on-board power control logic. A set of two pins per slot for LI/I* and GND spaced by 100mil is optional available to use micro-connectors to connect the signal to a radial power control module.

Power Input: The Schroff VME64x Backplanes has Power bugs, comprising M4 Screws. The fastening torque of the M4 screws is 1.3 Nm.

Daisy Chain: Schroff VME64x Backplanes equipped with an electronic automatic daisy chain. The 2 Slot Backplane 23001-532 has no Daisy chain.



Mechanical and electrical interface



Mechanical Layout shown on a 21 slot Backplane, other Slot numbers are similar

