

Testing of Power Module of AMC Card

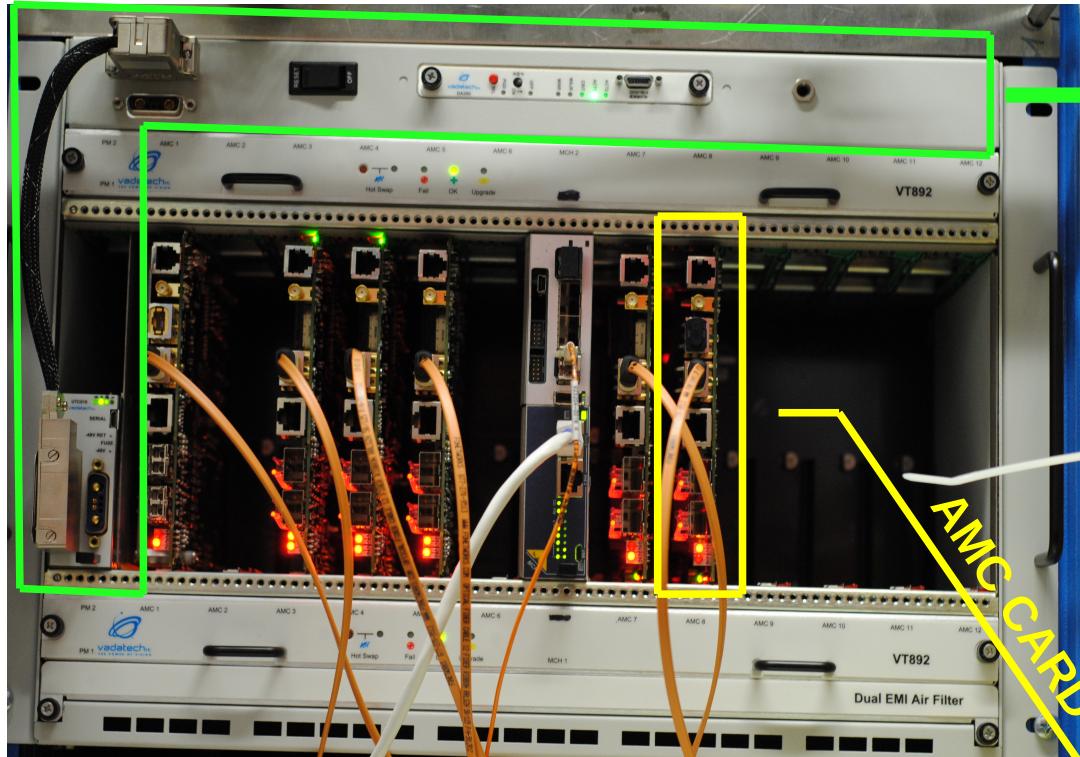


Presented by : *Swagata Mukherjee*

SINP Group Meeting

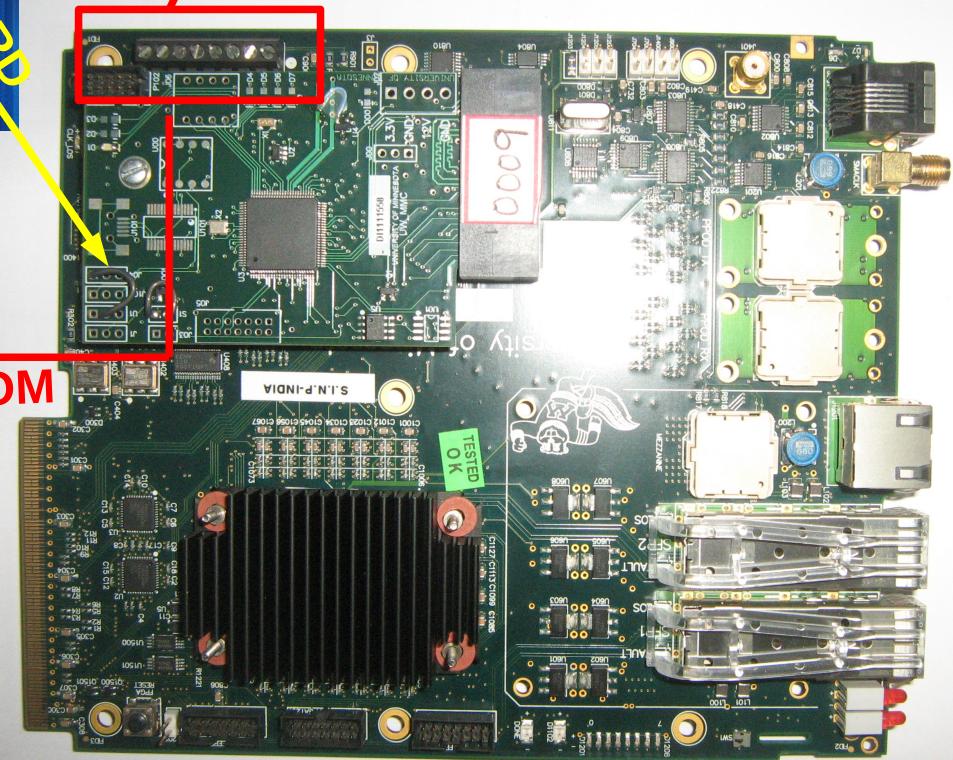
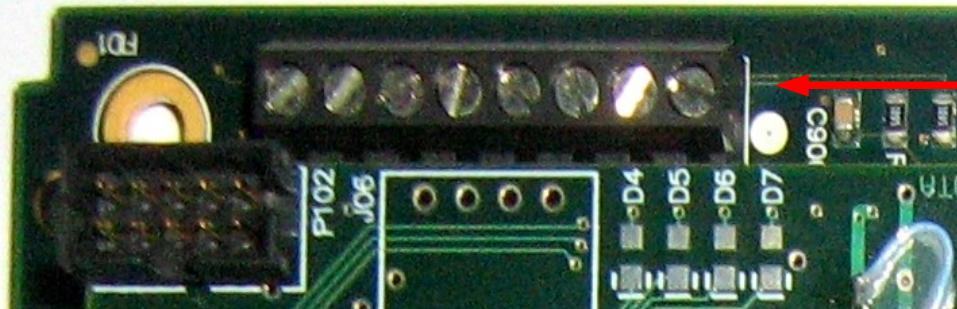
27 Nov. 2012

No Confusion please



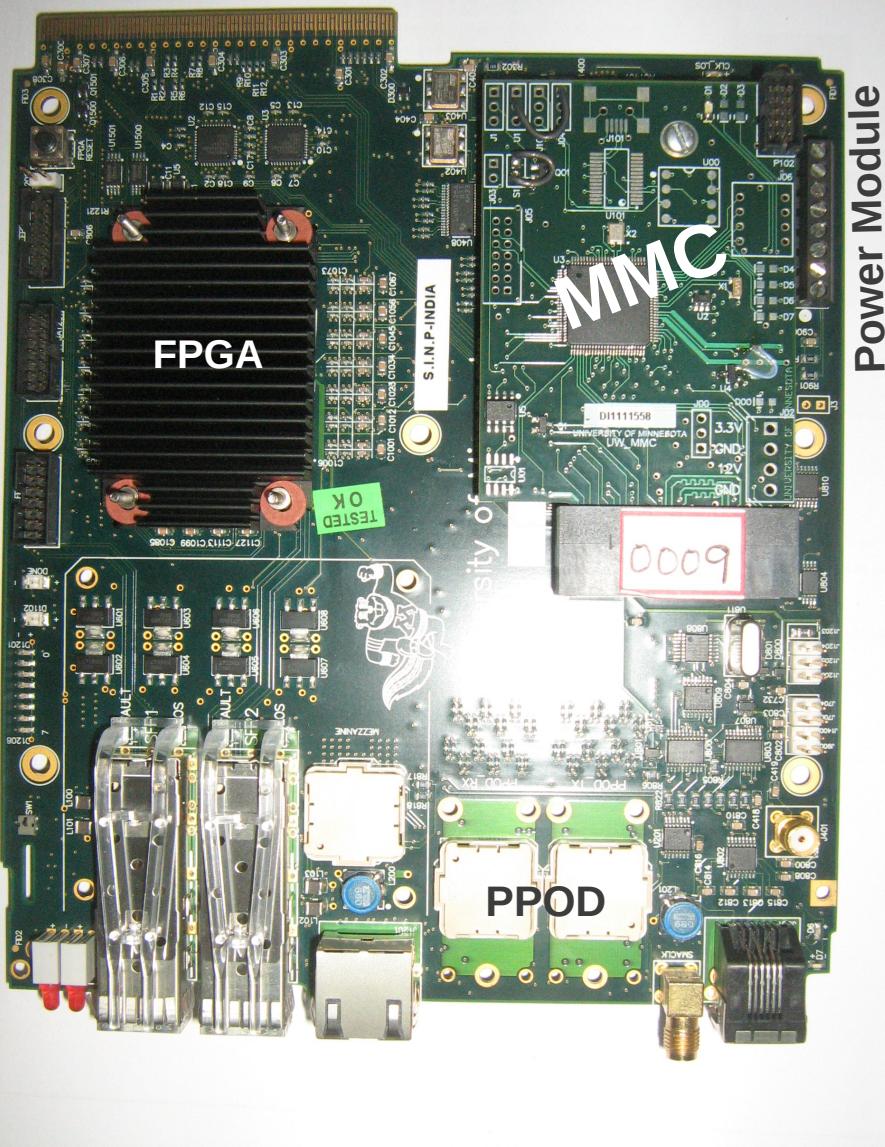
Power Module of Micro TCA Crate

Power Module of AMC Card
(and this is today's topic)



Upcoming changes in the AMC Card

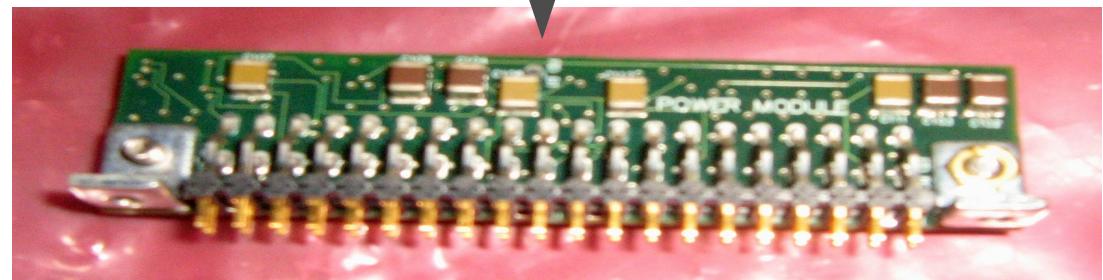
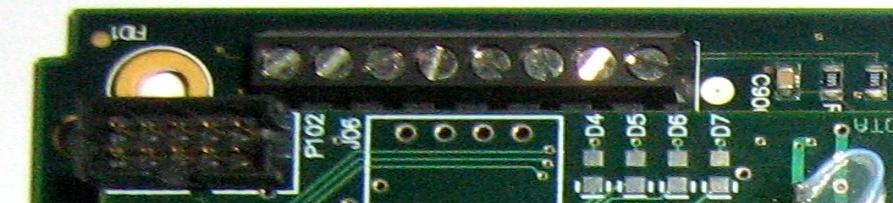
Connector



This AMC card is not complete : Several changes have been proposed

- 2 FPGA modules
- 2 MMC cards, smaller in size, vertically placed
- 2 PPOD receivers
- Connector type will be changed , commercially available *Harting Connectors* will be used
- An auxiliary power module will be added
- Power Module will be changed

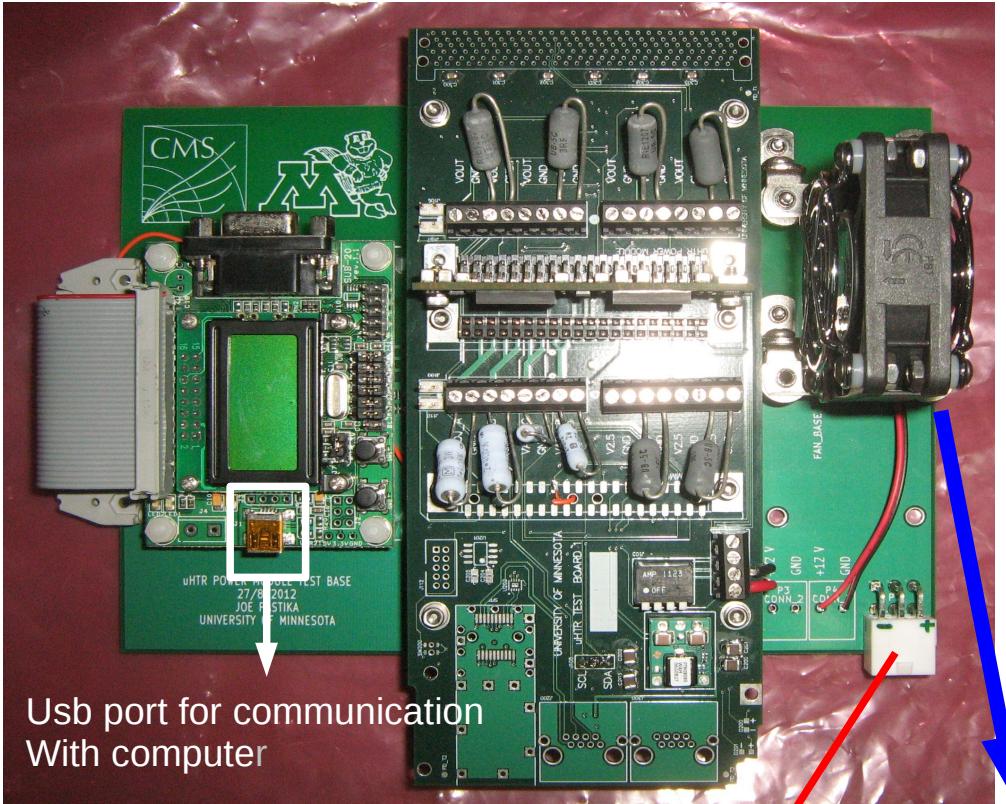
OLD POWER MODULE



NEW POWER MODULE

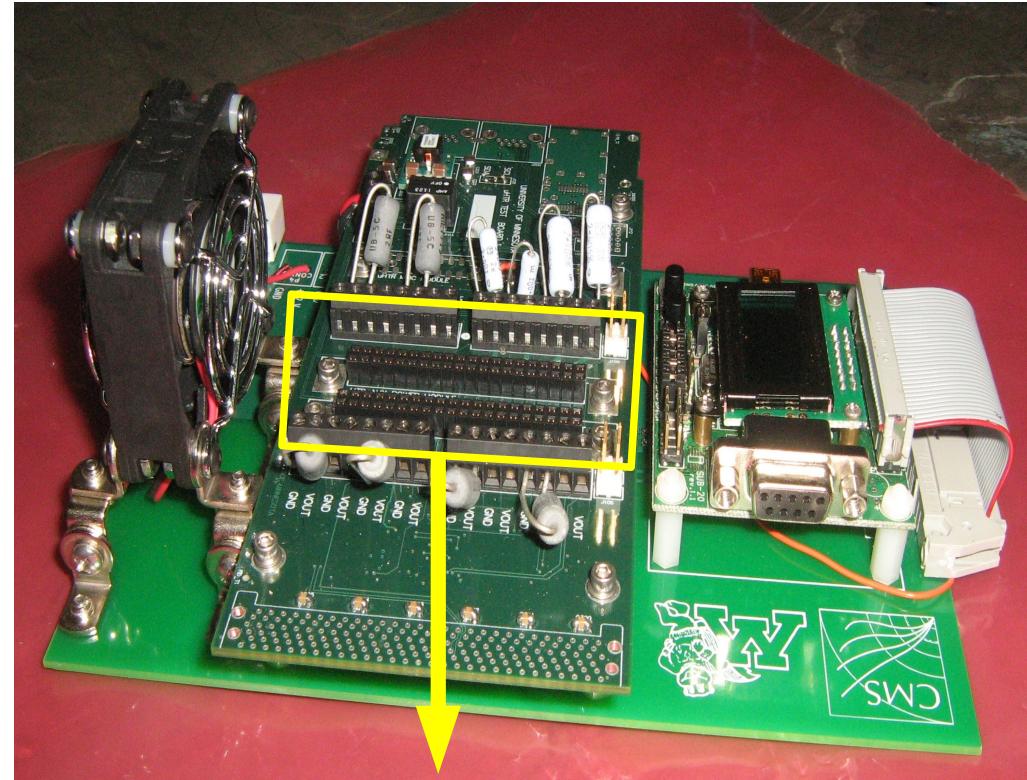
Testing of Power Module (main and auxiliary)

Testing kit (obtained from University of Minnesota)



The 12 Volt power supply
should be connected here

Cooling Fan



2 slots to insert power modules

+ve and -ve polarities have been found out by doing continuity test (basically measuring resistance) and written on the connectors

This external connector
has been bought to give
power to the test board

29/11/12

