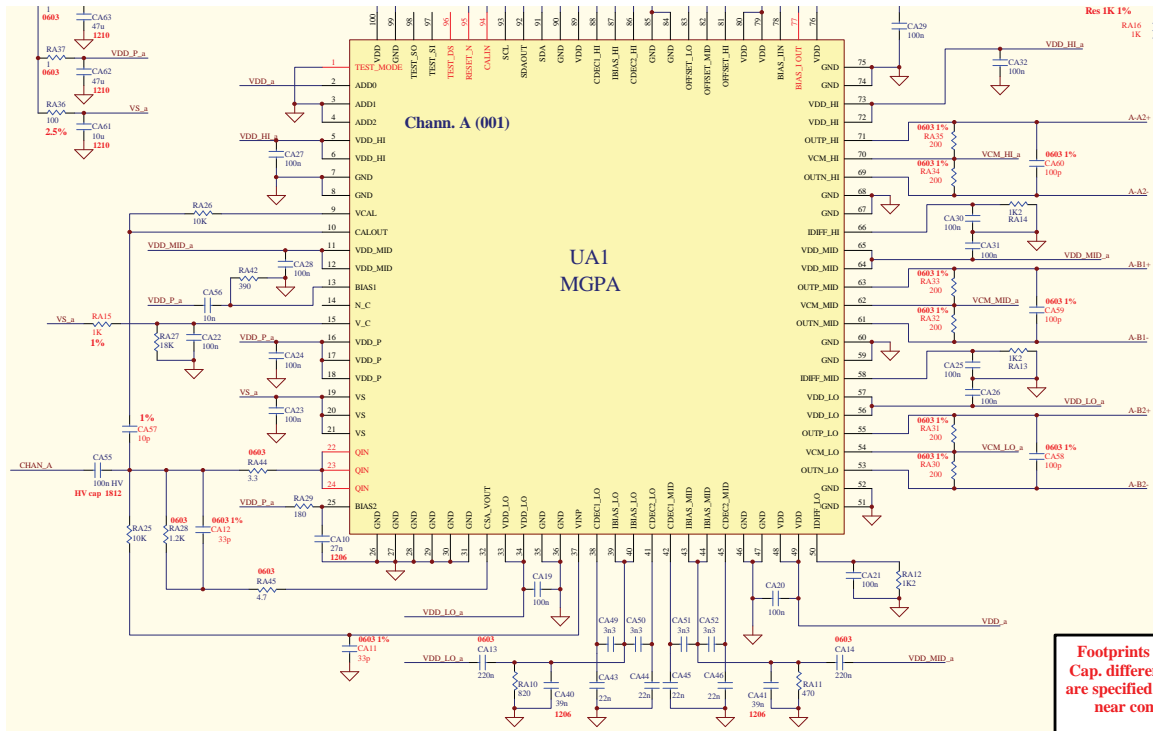# Test beam preparations (I) – CMS DAQ

◼ David Doll and Piti Ongmonkolkul are working on the CMS DAQ system, with help from Liyuan Zhang and Ren-yuan Zhu.

– Able to make changes and compile driver code.

– Working on the initialization problem.

– Ren-yuan checking on cables/connectors at CERN.

– System will be shipped complete except for cooler (one exists at CERN that can be used), and minor power supply (the high current power supply will be shipped).

Frank Porter, SuperB EMC, Annecy, 17 March, 2010
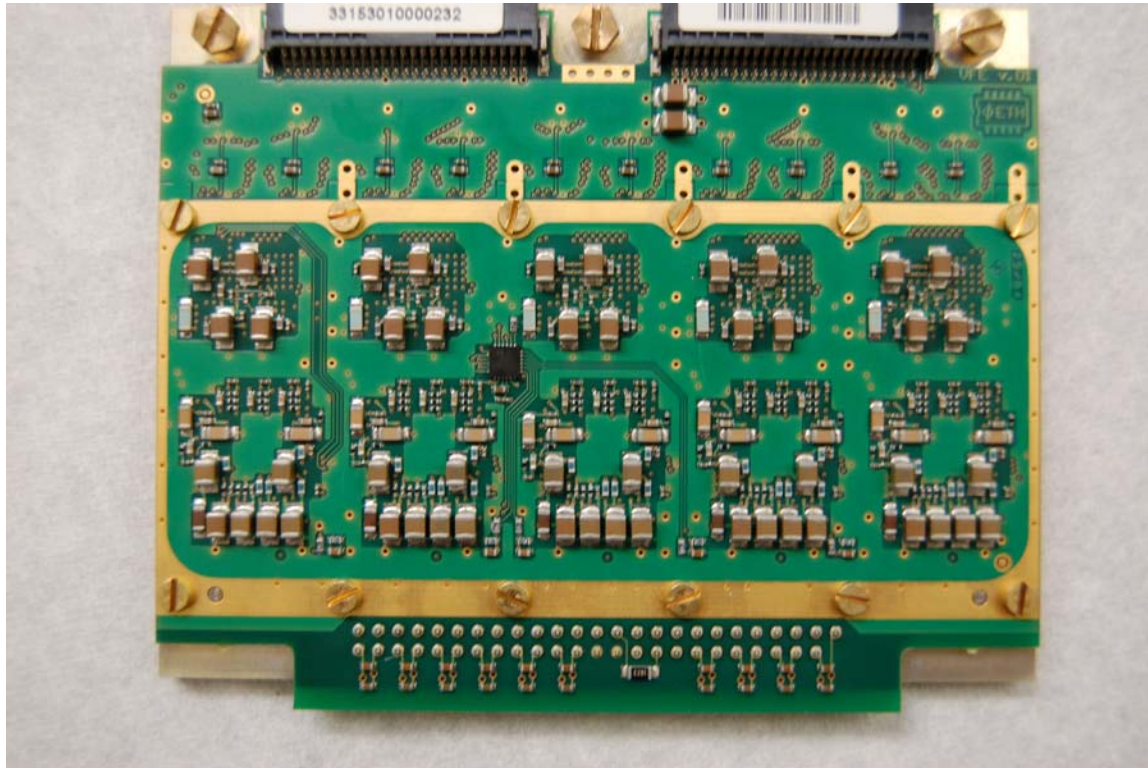
Test beam preparations (II) – CMS preamp

Existing shaping is 40 ns; 4 capacitors/channel to change.

M. Raymond, J. Crooks, M. French, G. Hall, The MGPA Electromagnetic Calorimeter Readout Chip for CMS, IEEE Trans. Nucl. Sci., **52** (2005), 756,

http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=01487720

CMS VFE card

We don't have a pcb layout with sufficient resolution; Ren-yuan is checking at CERN.

Frank Porter, SuperB EMC, Annecy, 17 March, 2010

Test beam preparations (III) – CLEO CsI

Four diodes/crystal.

Have preamps, David Asner sent schematic

Frank Porter, SuperB EMC, Annecy, 17 March, 2010