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# uCDIMM

## Development Announcement

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DESY



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- Infected by Eric's presentation during the last EPICS meeting, we has a closer look at the uCDIMM...
  - ... and decided to built a little carrier board for it.
  - ... First RTEMS IOCs at DESY



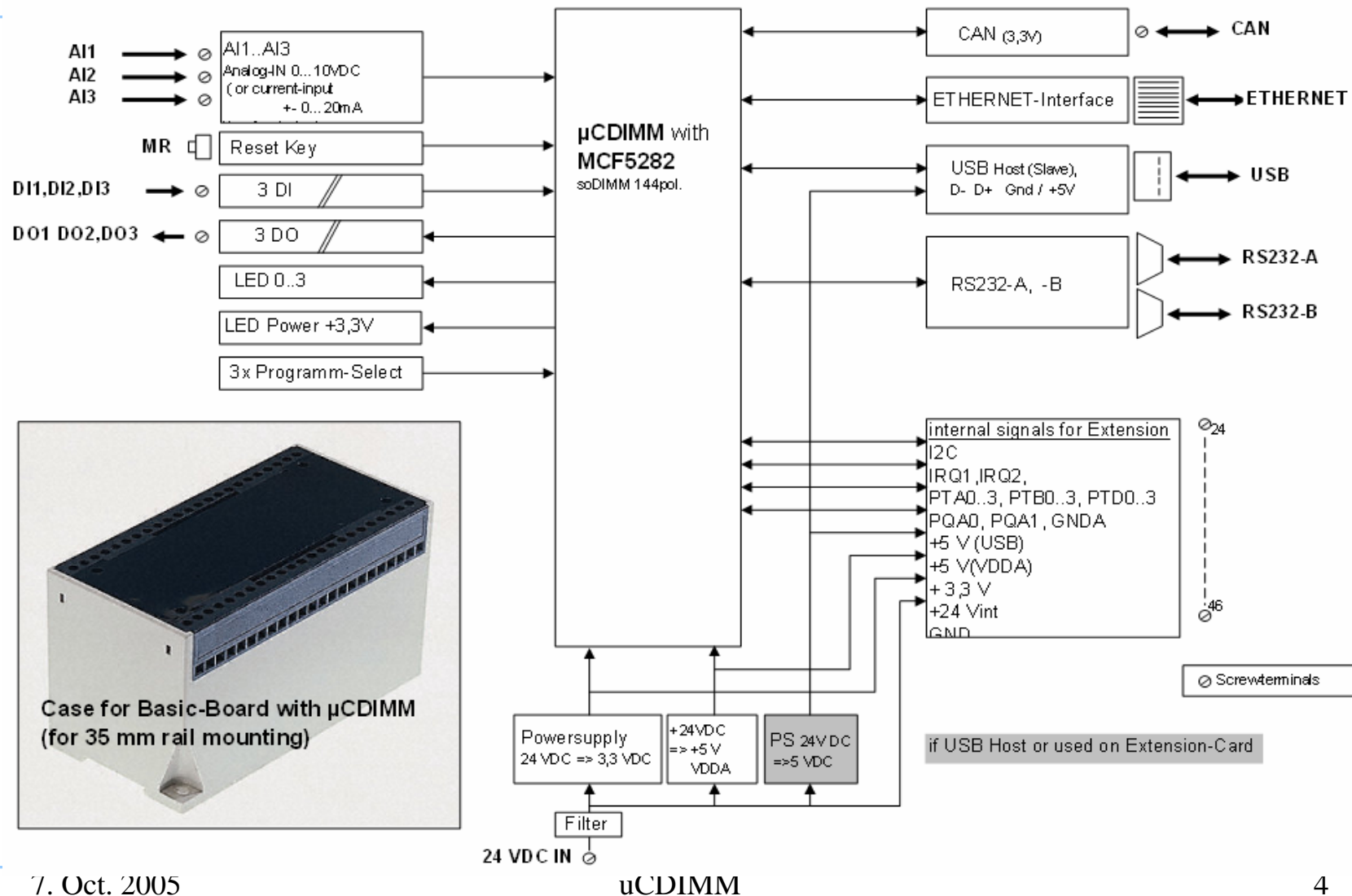
# Application Candidates

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- **Datalogger** for 3phase main power
  - Goal: 10kHz 3 channel 10bitADC
  - Pre-trigger buffersize for ~ 300mS
- **Serial communication (RS232)**
- *CAN host*  
*(modify driver to support CAN chip)*
- *USB server/ or client*  
*(write USB support)*

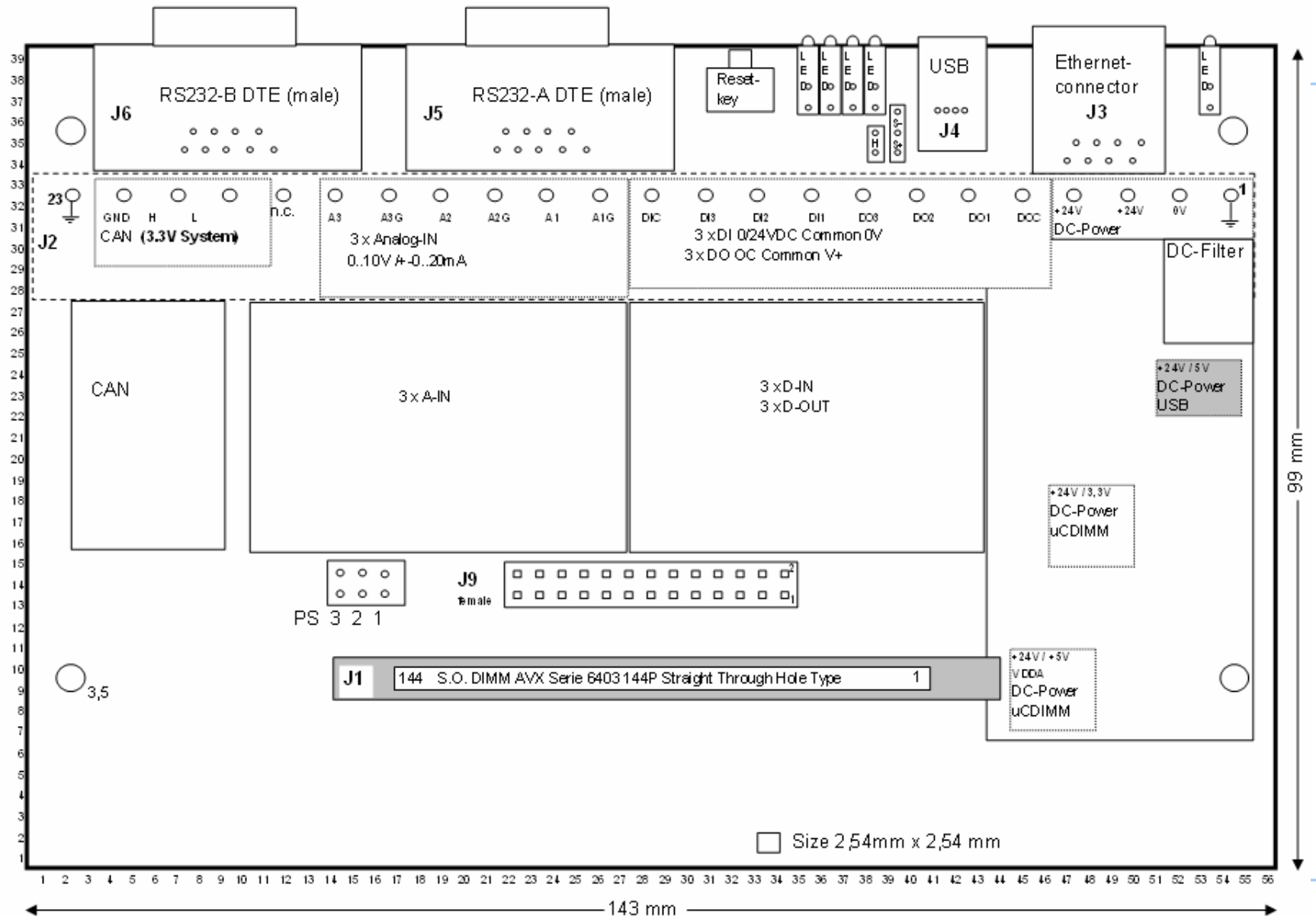


# Basic-Board with $\mu$ CDIMM (MCF 5282) / planned I/O-System



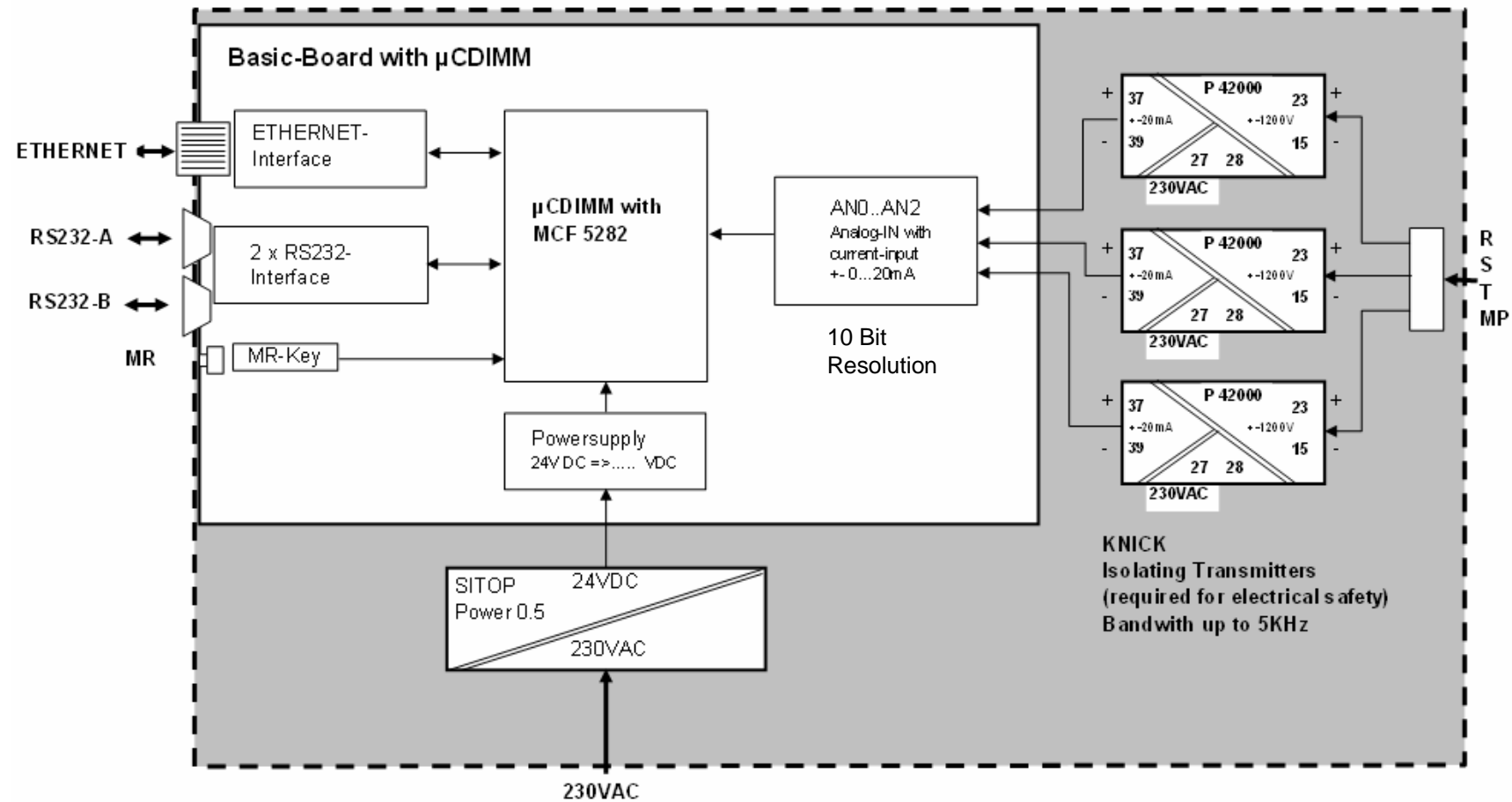


# Basic-Board with $\mu$ CDIMM (MCF 5282) / Component placement



EPICS meeting

# Using the Basic-Board with $\mu$ CDIMM (MCF 5282) as a Transient Recorder to monitor the 3 Phases (R S T) of a 400 VAC Power System



## $\mu$ CDIMM with MCF 5282



← ~ 70 mm →

## Time schedule for Basic-Board HW

Oct. 2005	Circuit Diagram
Nov. 2005	PCB Layout
Dec. 2005	PCB order
Jan. 2006	First Prototype
Feb. 2006	SW-HW-Tests
Mar. 2006	Start of 1. Batch