

PSI43 wafer test stand and first results of ROC testing

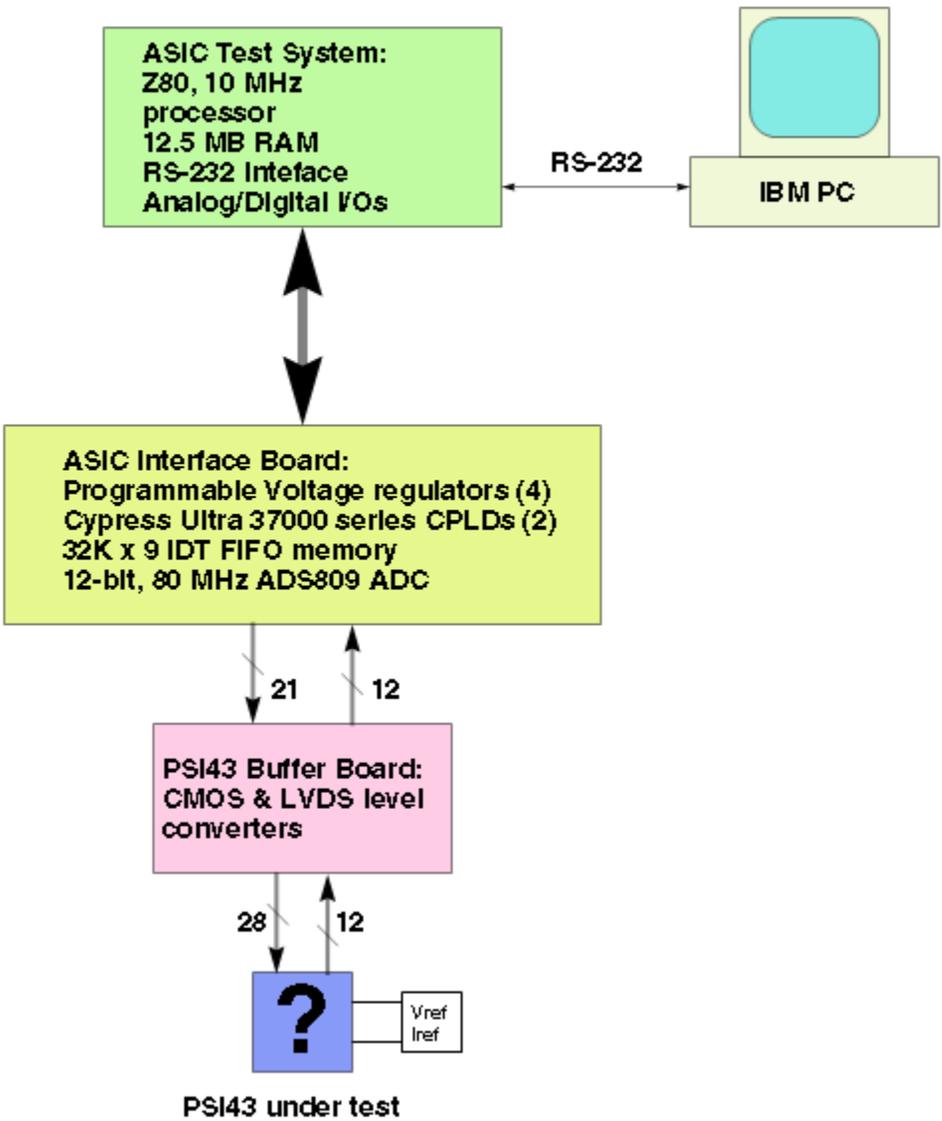
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PSI43 wafer test stand features (1):

- Four programmable power supplies with shutdown
- I2C command interface with two modes of operations:
 - Single command
 - FIFO command stream
- Timing generator with programmable Calibrate and Trigger pulses

PSI43 Wafer Test Stand



PSI43 wafer test stand features (2):

- Independently selectable clock frequencies for I2C and timing generator (40, 20, 10 and 5 MHz)
- Continuous and single sequence modes of timing generator with selectable frequencies for continuous mode (152 Hz, 305 Hz, 610 Hz, 1220 Hz and 156 kHz @ 40 MHz clock frequency)

PSI43 wafer test stand features (3):

- 12 bit, 80 MHz ADC for analog data sampling
- DC voltage (eight values) and current (four values) measurements
- Manual Vref adjustment
- Scope outputs for trigger and analog data signals
- Programmable PSI43 I2C address