



Status of the Detector Dependent Unit 2 channel prototype

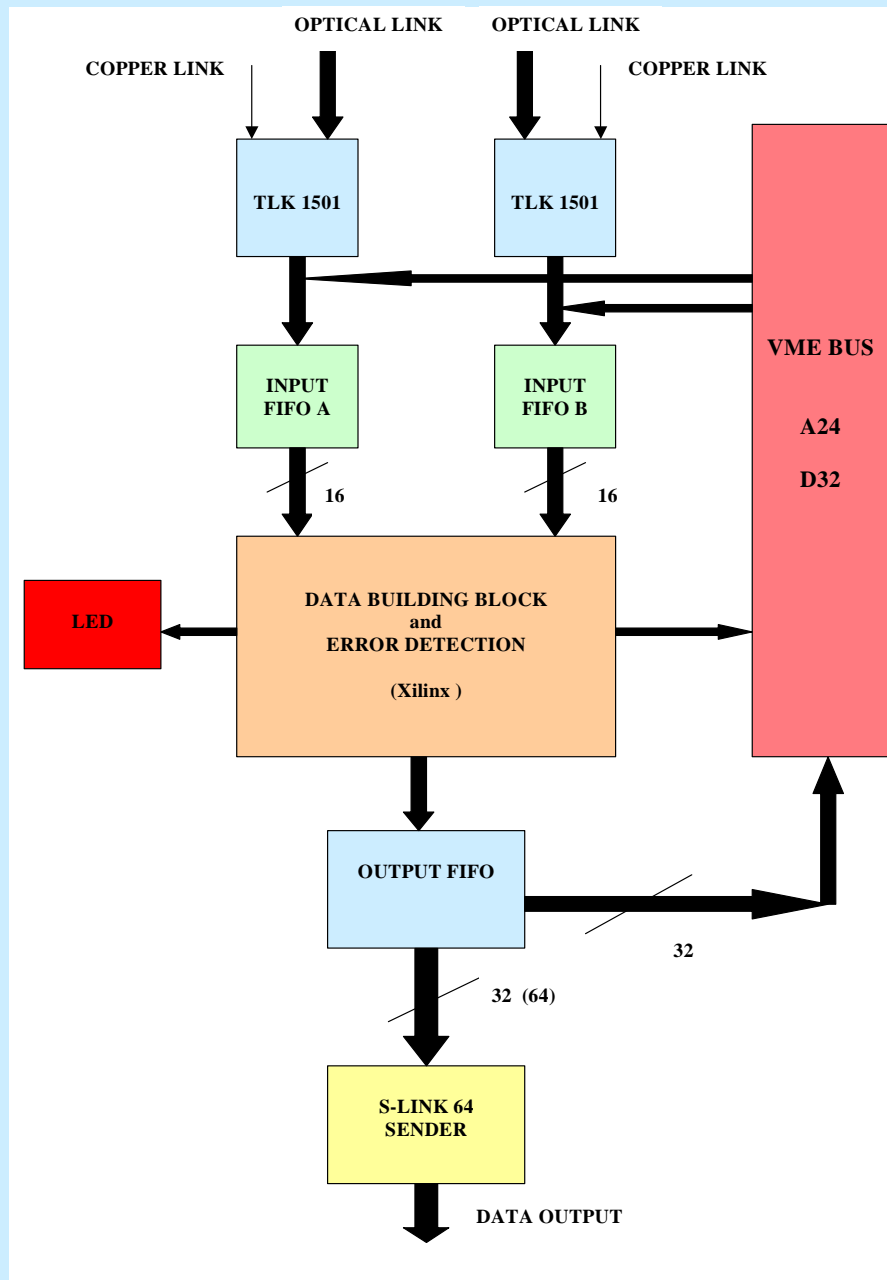
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Input characteristics

- 2 independent input channels (ROS-master)
- Deserializer (Texas Inst. TLK 1501) with input from:
 - Optical receiver (Stratos Lightwave M2R-25-9-1-TL)
 - Copper serial link
- Input FIFO 16 bit x 8k
- Access to FIFO from deserializer or VME

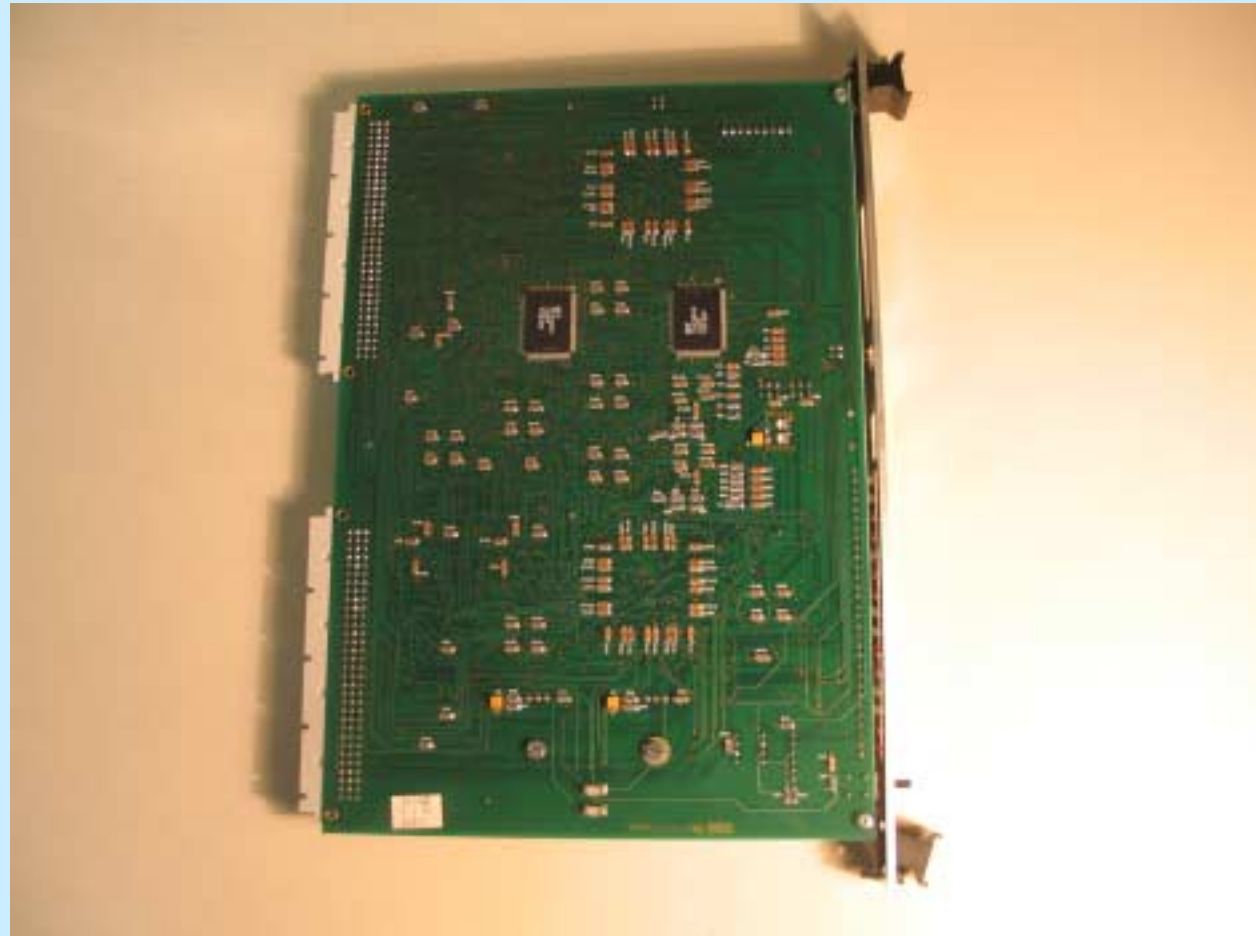




Output characteristics

- Output FIFO 32 (64) bit x 2k
- FIFO readable via:
 - VME, 32 bit words
 - s-link, 64 bit words
- Format of data: carbon copy of data received from ROS-master
- Header and trailer added







Status of tests

- Standalone tests in Torino:
 - Fully tested and OK with VME
 - To be tested with s-link output
- Next steps:
 - Test with 2 channels input from ROS-8 in Madrid (before end of april)
 - Test of s-link and VME with CMS-DT data acquisition system in Legnaro