

# USB DAQ

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- Generic DAQ board
  - Purely Digital
  - USB 2.0 interface
    - Uses Cypress SX2 interface chip
    - Already in use in IC HEP
      - I-ImaS, CMS GCT, T2K
      - Firmware and software exists
  - Digital Power
    - 1.2v, 2.5v, 3.3v
  - 40MHz and 100MHz Oscillators on board
  - Xilinx Spartan 3 xc3s1000 fg676 –5
    - In use already in IC HEP (I-ImaS, CMS GCT, T2K)
  - IO
    - All Spare IO tracked to 0.1" IDC headers
    - Differential pairs tracked
      - 138 Pairs (=276 pins),
      - 3 pairs are GCLK
    - Gen. IO (single ended) separate
      - 41 pins
  - Bank VCCO individually jumper controlled

# Layout Snapshot

