Description

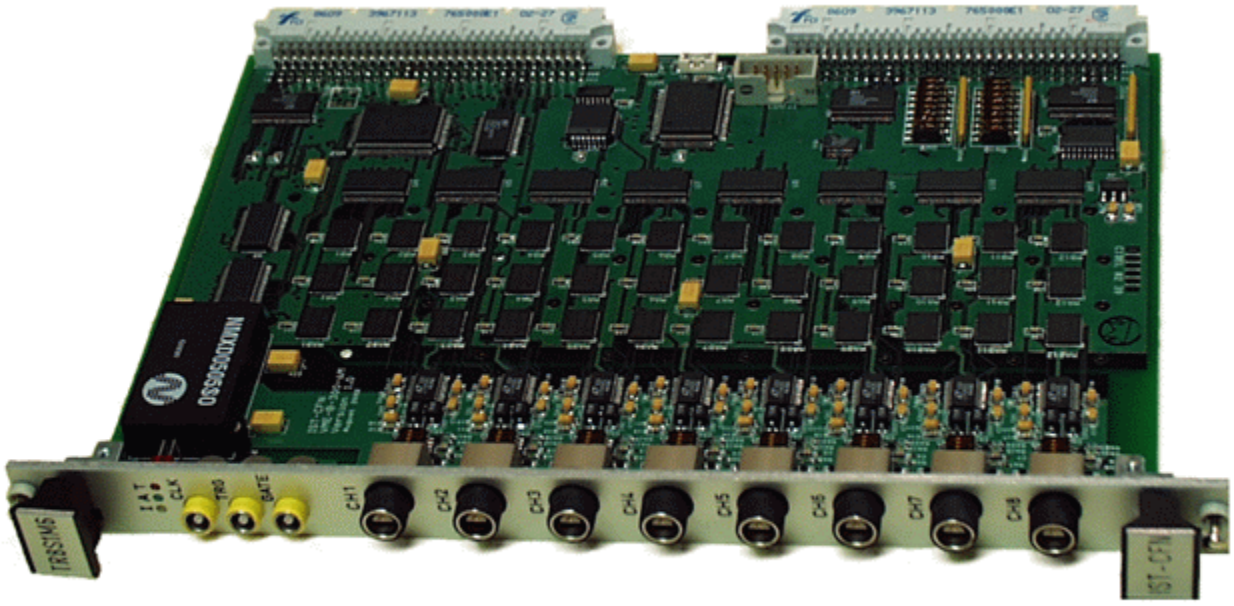
This 12-bit transient recorder card stores up to 6 seconds of data at 1 MSPS simultaneously in 8 channels.

It includes programmable timing capabilities, selectable analog gain, and anti-aliasing filtering on the inputs.

A 48 channels system is currently in use on the ECE (Electron Cyclotron Emission) diagnostic at JET-EFDA.

Characteristics

- 6 Msample per channel (72 MByte onboard memory)
- Analog inpts
    - 8 simultaneous sampling differential channels (60 dB of CMRR)
    - Selectable bipolar input: +/-5V, +/- 2.5 V, +/- 1.25 V, +/- 0.625 V
    - 1 MOhm Input impedance except for +/- 5 V (10 kOhm)
    - +/- 50 V input overvoltage protection
    - Anti-aliasing 3rd order Butterworth passive low-pass filter at 500 kHz.
- ADC
    - LTC1412, SAR
    - 12-bit resolution, no loss of bits
    - up to 3.0 Msample/s
- Digital inputs
    - External Clock, external Trigger (active on rising edge), Clock gate (synchronous), TTL levels (with pull-up)
    - Unipolar LEMO sockets
    - Signal ringing over-voltage protected
    - Programmable trigger delay (333ns resolution)



VME-8-300-6M