Digital I/O SIOX DCM

Digital I/O SIOX Daughter-card Modules for TORNADO DSP Systems/Controllers
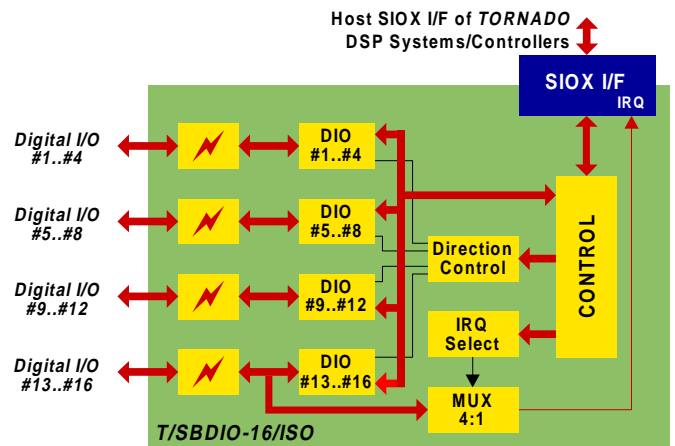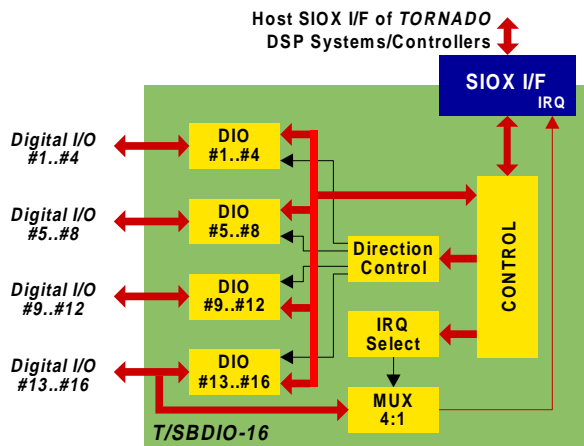
covers:
T/SBDIO-16, T/SBDIO-16/ISO

features

- compact SIOX rev.B DCMs communicate with host *TORNADO* DSP via serial port
- 16-bit programmable digital I/O
- opto-isolated I/O (T/SBDIO-16/ISO)
- host SIOX interrupt request generation

- SIOX-bus support with up to 8 DCMs per one DSP serial port

applications

- instrumentation
- industrial control

MLS-SXDS-250-A 11/99

Technical Specifications

digital I/O bits	16 I/O direction is programmed for each four bits
I/O signal level	TTL @3.2mA
I/O isolation voltage	1.5kV (T/SBDIO-16/ISO)
I/O settling time	15ns (T/SBDIO-16) 200ns (T/SBDIO-16/ISO)
host TORNADO I/F	SIOX rev.B with SIO-0 port used
host SIOX interrupt requests	IRQ-0, IRQ-1, IRQ-2 (jumper selectable)