

SATA-II

High-Performance Serial ATA Probing Support

For Use With Tektronix® TLA5xxx/6xx/7xx/7xxx Logic Analyzers



Features

- Serial ATA II, Serial ATA 1.0 and ATA/ATAPI 6 compliance; 1.5 Gb/s Gen1 and 3.0 Gb/s Gen2 rates supported
- Optionally supports SATA compliance frame error rate (FER) testing without use of a logic analyzer
- Acquisition of spread-spectrum-clocked data streams supported
- Monitors, triggers on, acquires and displays all aspects of Serial ATA signaling, including bus signal level (squelch), out-of-band (OOB) signaling, primitives, FIS frames, encoding and protocol errors (including independent CRC verification), bus utilization and error statistics
- Optional acquisition of undecoded (10b) data or unscrambled Data FIS contents
- Efficient use of acquisition memory achieved through optional compressed storage of repeated primitives
- Trailing portions of lengthy FIS Data frames can be optionally suppressed
- Works with Tektronix® TLA5xxx/6xx/7xx/7xxx logic analyzers having 136 channels and 150 MHz acquisition capability (also supports Gen1-only acquisition at 75 MHz); supports use of Mictor® or compression probes (with adapters)
- Hierarchical display shows optionally-acquired undecoded/unscrambled data, primitives, FIS frames, command protocol

Contact Crescent Heart Software

- Internet: www.c-h-s.com; E-mail: sales@c-h-s.com; Voice: (+1)503-232-2232; Facsimile: (+1)503-232-2255
- Crescent Heart Software, a Tektronix® Embedded Systems Tools Partner and a member of the Tektronix® Logic Analyzer Third Party Developer team, is headquartered in Portland, Oregon USA. Crescent Heart Software has been a member of the Serial ATA 1.0 and Serial ATA II Working Groups.
- Information presented herein is subject to change without notice (datasheet Revision Q, May 2008)

• **HARDWARE & SOFTWARE PRODUCTS FOR USE WITH TEKTRONIX® LOGIC ANALYZERS & OSCILLOSCOPES** •