

## Miniature Wideband CAIS Interface Module



### Applications

- Stand-alone data acquisition
- Distributed systems
- CAIS applications

### Features

- Operates as the PCM unit controller for a wideband acquisition unit operating at up to 20 Mbps
- Contains non-volatile EEPROM format memory with programmable simultaneous sample, frame, bits per word, PCM code, and bit rate
- Provides the fundamental system sampling rate up to 1.25 MSPS
- Supports calibration, and system audit
- RS232/422 interface port for format loading, programming, and data monitoring
- The -1 version provides an interface to the optional MCIF-105 module for CAIS programming, system audit, calibration signals, simultaneous sample, and data selection from the MWSR-100A PCM output
- Converted data formatted into multiple identical RS-422 serial outputs
- PCM format operates in the following synchronization modes:
  - Asynchronous operation using an internal clock synthesizer
  - Synchronous operation to CAIS major frame (-1 version) or external pulse (-1 or -2 versions)
- Fully supported by TTCWare programming and setup software

### Description

The MWSR-100A module is a high-speed overhead module for use in the MWDAU-20XX product family. The module enables the MWDAU to operate as a wideband, stand-alone data acquisition unit with maximum bit rates up to 20 Mbps. The system works with I/O modules that are compatible with high-speed operation. The -1 version can also simultaneously operate as a CAIS remote slave unit for CAIS programming, data selection and synchronization when the optional MCIF-105 module is installed.

Revision 03/15/2012

### MWSR-100A Datasheet

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Specifications subject to change without notice.

Approved for Public Release 13-S-2730



CAIS  
Compatible



Management  
System  
AS9100C  
ISO 9001:2008

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