GtDio6x-FIT

MARVIN TEST SOLUTIONS
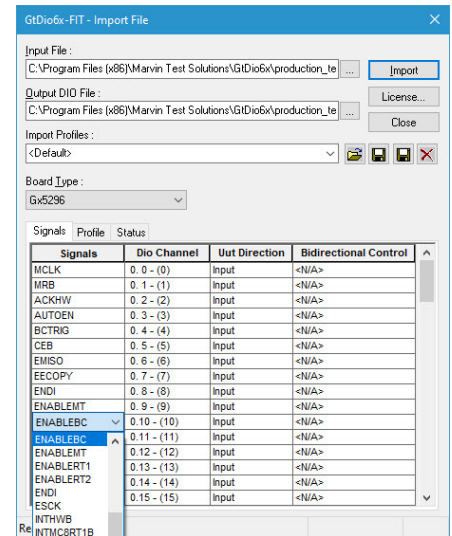
FILE IMPORT TOOL FOR IMPORTING AND CONVERTING STIL, WGL, VCD/EVCD, ATP VECTORS

- Import and convert STIL digital vectors (IEEE-1450, Standard Test Interface Language files) to MTS digital vector format
- Import and convert WGL digital vectors (TSSI Waveform Generation Language files) to MTS digital vector format
- Import and convert VCD/EVCD digital vectors (IEEE-1364, Value Change Dump files) to MTS digital vector format
- Import and convert ATP digital vectors to MTS digital vector format
- Supports Marvin Test Solutions' GX5296 and GX5960 series PXI digital instruments
- Pin remapping supports pin assignment and ignore features
- Defined profiles support stored import settings simplifying multiple / repeated file imports / conversions
- Add-on, licensed option works in conjunction with GtDio6x function library

DESCRIPTION

Marvin Test Solutions' GtDio6x-FIT option offers test engineers a software tool set for importing and converting STIL, WGL, VDC/EVCD and ATP files to a Marvin Test Solutions' digital instrument file format. GtDio6x-FIT works in conjunction with Marvin Test Solutions' GtDio6x function library software which provides an efficient tool set for developing, debugging, and executing digital test vectors for MTS' GX5296 and GX5960 series digital instruments.

The Standard Test Interface Language (STIL, IEEE-1450) was developed by a consortium of several test equipment vendors, computer aided engineering (CAE), computer aided design (CAD) and integrated circuit (IC) vendors. The standard provides a common language to transfer digital test data vectors from the design environment to the test environment.

The Waveform Generation Language (WGL), pronounced "wiggle", is a data description language created by Test System Strategies Inc. (TSSI). A WGL file is essentially a text file that contains signal patterns along with timing, diagnostics and other information. The WGL vector formats are commonly used by engineers to test semiconductor devices during the design validation and production test phases of product development. These vectors are generated by electronic design automation (EDA) tools and are used to test a device and verify that its physical implementation matches the results achieved in simulation.

The VCD and EVCD file formats are part of the IEEE-1364 (IEEE Standard for Verilog® Hardware Description Language). Extended VCD (EVCD, IEEE-1364-2001) is a newer version of the VCD file format and supports directional data. The ATP file format is the digital test vector format used with Teradyne semiconductor test systems.

GtDio6x-FIT and the GtDio6x library provide the functionality for importing the above files and converting them to a DIO file format which can then be loaded into DIO cards. When importing a file, the software will analyze the input file and create an MTS digital file that is compatible with the GX5296's or GX5960 series capabilities while preserving as close as possible, the input file's functionality and timing. The generated DIO file supports both stimulus / response and real-time compare (RTC) modes of operation.

APPLICATIONS

- Semiconductor test systems
- Digital test systems
- Mixed signal testers
- Digital emulation systems
- Hybrid & SoC Component Test

SOFTWARE

GtDio6x-FIT

![Marvin Test Solutions logo]

SPECIFICATIONS

FILE IMPORT TOOL OPTION FOR GTDIO6X - FEATURES	
Supported File Fomats	STIL digital vectors (IEEE-1450, Standard Test Interface Language files), WGL digital vectors (TSSI Waveform Generation Language files), VCD/EVCD digital vectors (IEEE-1364-2001, Value Change Dump files) ATP digital vectors (Teradyne file format)
Supported Digital Test Hardware	GX5296, 3U PXI, 32 channel digital instrument
Supported Digital Channel Width	Up to 512 channels (dependent on hardware configuration)
Digital Vector Depth	Up to 64 Mb/channel (dependent on hardware configuration)
COMPATIBLE DIGITAL INSTRUMENTS	
GX5296	3U PXI, 125 MHz, 32 channel dynamic digital instrument with per channel timing, programmable pin electronics, and per pin PMU

Note: Specifications are subject to change without notice

ORDERING INFORMATION

GtDio6x-FIT	Digital File Import Tool Option for GX5296 DIO
GtDio6x-FIT-S1Y	Renew GtDio6x-FIT Subscription and Support (1 Year)
GtDio6x-FIT-S2Y	Renew GtDio6x-FIT Subscription and Support (2 Years)
GtDio6x-FIT-S3Y	Renew GtDio6x-FIT Subscription and Support (3 Years)
GtDio6x-FIT-EXP6	1-year Renewal Expired GtDio6x-FIT Subscription and Support (expired 1 day to 6 months)
GtDio6x-FIT-EXP24	1-year Renewal Expired GtDio6x-FIT Subscription and Support (expired 7 to 24 months)
GtDio6x-FIT-SUP	1-year Support only for GtDiox-FIT (no upgrades)

SOFTWARE