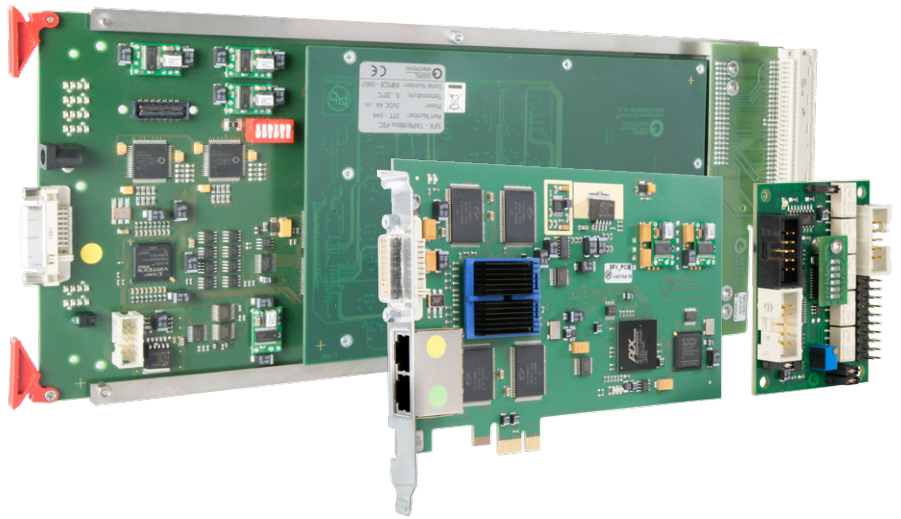# ATE System Integration
Teradyne Spectrum ICT with Boundary Scan from GÖPEL electronic

- · official verified system integration of Teradyne and GÖPEL electronic
- · full automatic interaction of all ICT channels with Boundary Scan
- · increased test coverage and detailed failure diagnosis
- · increased test access with combination of Boundary Scan and tester channels
- · reducing test points with system integration

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Application

· mid to high range production
· test and programming
· Mixed Signal Boards
· Component Test
· JTAG/Boundary Scan
· Panel Test

Software Integration

· SYSTEM CASCON™ function integration into Spectrum software
· optimized interface for data transmission of both SW suites
· automatic test generator for interactive tests
· PASS/FAIL flag setting and evaluation
· integrated error report of both systems
· usage of ICT channels as support for other tests
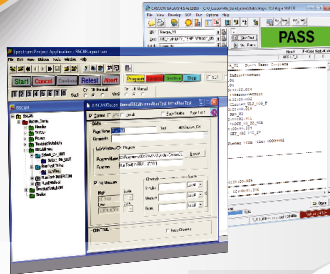· low test times with optimized SW interface

Hardware Integration

· fast and scalable Boundary Scan Controller
· industrial plug-in transceiver for long signal distances
· flexible adaption to special UUT interfaces
· stable tests with active delay compensation
· Special solution for external CFPA Slot

Key Features

· control of save PRISM connections
· optimized wiring with decoupling of ICT and Boundary Scan
· interactive A/D or D/A converter test with usage of analogue functions
· reference board with demo project
· sytem diagnosis with SW log function

Attributes

· compact, flexible hardware fitting inside ICT slot
· seamless teamwork of both software suites
· global system and application support

Technical specifications

supported machine types	Teradyne Spectrum/88xx/TSSE
integrated Hardware	SFX/PCIe 1149, SFX-TAP4/88xx-FXT (TAP8/PIC), TIC02/SR
UUT-Interface (TAP,I/O,AUX etc.)	4/8 TAPs up to 80Mhz, 32 PIP-Channels, 1,8V to 4,5V, signal adaption; JTAG, BDM, SBW, SWD, PIC1x
automatic generated tests	Interconnection, RAM, Cluster, Interactive ATE, CPLD/FPGA/MCU/Flash-programming
technologies	Embedded JTAG Solutions: Boundary Scan, ChipVorx, VarioTAP

Made in Germany

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ISO 9001 certified

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