ATE System Integration

TAKAYA APT Flying Prober with Boundary Scan from GÖPEL electronic

SCANFLEX II

- official verified system integration of TAKAYA and GÖPEL electronic
- full automatic interaction of all probes with Boundary Scan
- increased test coverage and detailed failure diagnosis
- increased test access with combination of Boundary Scan and Flying Probes
- reducing entire test time with system integration

GÖPEL electronic
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Technical specifications

Software integration

- SYSTEM CASCON™ project call from APT software
- optimized interface for data transmission of both sw suites
- automatic test generator for interactive tests
- PASS/FAIL flag setting and evaluation
- usage of Flying Probes as support for other tests

Application

- low to midrange production
- test and programming
- Mixed Signal Boards
- component test
- JTAG/Boundary Scan
- panel test

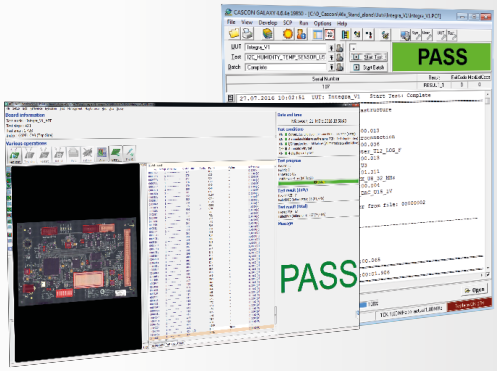
TAKAYA

Attributes

- compact, flexible hardware fitting inside Flying Prober
- seamless teamwork of both software suites
- global system and application support

Key features

- APT multiprobe option support
- control of save probe movements
- repeat function at bad contacts
- interactive D/A converter test
- reduction of redundant test steps
- sytem diagnosis with sw log function



Hardware integration

- fast and scalable Boundary Scan controller
- industrial transceiver for critical signal distances
- flexible adaption to special UUT interfaces
- stable tests with active delay compensation
- 4-channel mixed signal I/O module

SYSTEM CASCON™

Technical specifications

supported machine types	TAKAYA APT 1400F/1600FD Multiprobe/94xx/96xx
integrated hardware	SFX II CUBE, SFX5704, TIC022/SR
UUT interface (TAP, I/O, AUX etc.)	4 TAPs up to 80 Mhz; 64 MPP channels; 1.8 V to 3.6 V; 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

GÖPEL electronic
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ISO 9001 certified

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Takaya_APT/E/09-2020