



## Test Development Services

This document outlines JTAG / Boundary Scan Test Development Services offered by GOEPEL Electronics. Test Development is done by GOEPEL Application Engineers using CASCON GALAXY software. Upon request we can send an application engineer to your facility to complete the test development on-site. Test Development Services include test verification if a physical Unit Under Test (UUT) is available and may include on-site test installation and verification services upon request.

### 1. Inputs (to be provided by the customer)

Pos.	Item	Description	Remark
1	CAD data	Schematic of UUT as PDF file; Net list and bill-of-material (BOM) in a mutually agreed upon format;	Request a list of supported CAD formats
2	BSDL files	BSDL files for IEEE 1149.x compliant devices on the UUT plus any custom package (.ALL) files; especially for ASICs	If available
3	Physical Unit Under Test	Prototype or production PCA with designed-in Boundary Scan infrastructure (UUT); documentation of any UUT specific power-up requirements, etc.	If available

### 2. Procedures (carried out at GOEPEL Electronics LLC or GÖPEL electronic GmbH)

Pos.	Process	Description	Remark
1	DFT Analysis	Design For Test (DFT) analysis of the UUT in order to determine if it is designed to support JTAG/Boundary Scan and to determine the type of JTAG/Boundary Scan applications that can be developed, and the test coverage that can be expected	DFT report is part of UUT project file
2	Specification of signals required for test access	Design / material / build for test fixture or harness not included	If required
3	JTAG/Boundary Scan Test / ISP Development	Using latest version of CASCON GALAXY software; use of a specific CASCON version upon request;	Cost, effort depending on UUT complexity
4	Verification of test programs	Verification of applications (tests, ISP routines) on physical UUT	If physical UUT is available

### 3. Outputs

Pos.	Item	Description	Remark
1	Project Archive	Complete CASCON GALAXY project archive	CASCON version
2	Project Report	Documentation of DFT analysis, test programs and ISP routines, and Test Coverage	PDF file, CASCON reports

**Note:**

*This engineering service is offered for effort-based compensation. Typical engineering time is 24 to 48 hours, depending on complexity of the UUT and amount of Boundary Scan applications required.*

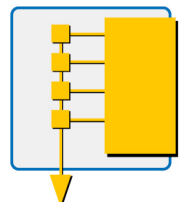
**Product:** Test Development

**Part Number:** TDB-100

Call for price

888-4-GOEPEL OR 512-524-6063

or email us at sales@goepelusa.com



Fill out this form and fax it to **+1-734-471-1444**

or visit <http://www.goepelusa.com/TDS.html> to request information online.

### Contact Information:

First name: .....

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Company / Organization: .....

Street Address: .....

City / State / ZIP: ..... | ..... | .....

Phone: .....

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- Call me to discuss GOEPEL products and services.
- Send me your e-mail newsletter (GOEPEL e-Bulletin).
- Send me more information about your test development services.

### Comments and Notes:

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