JTAG Manager Presentation

by

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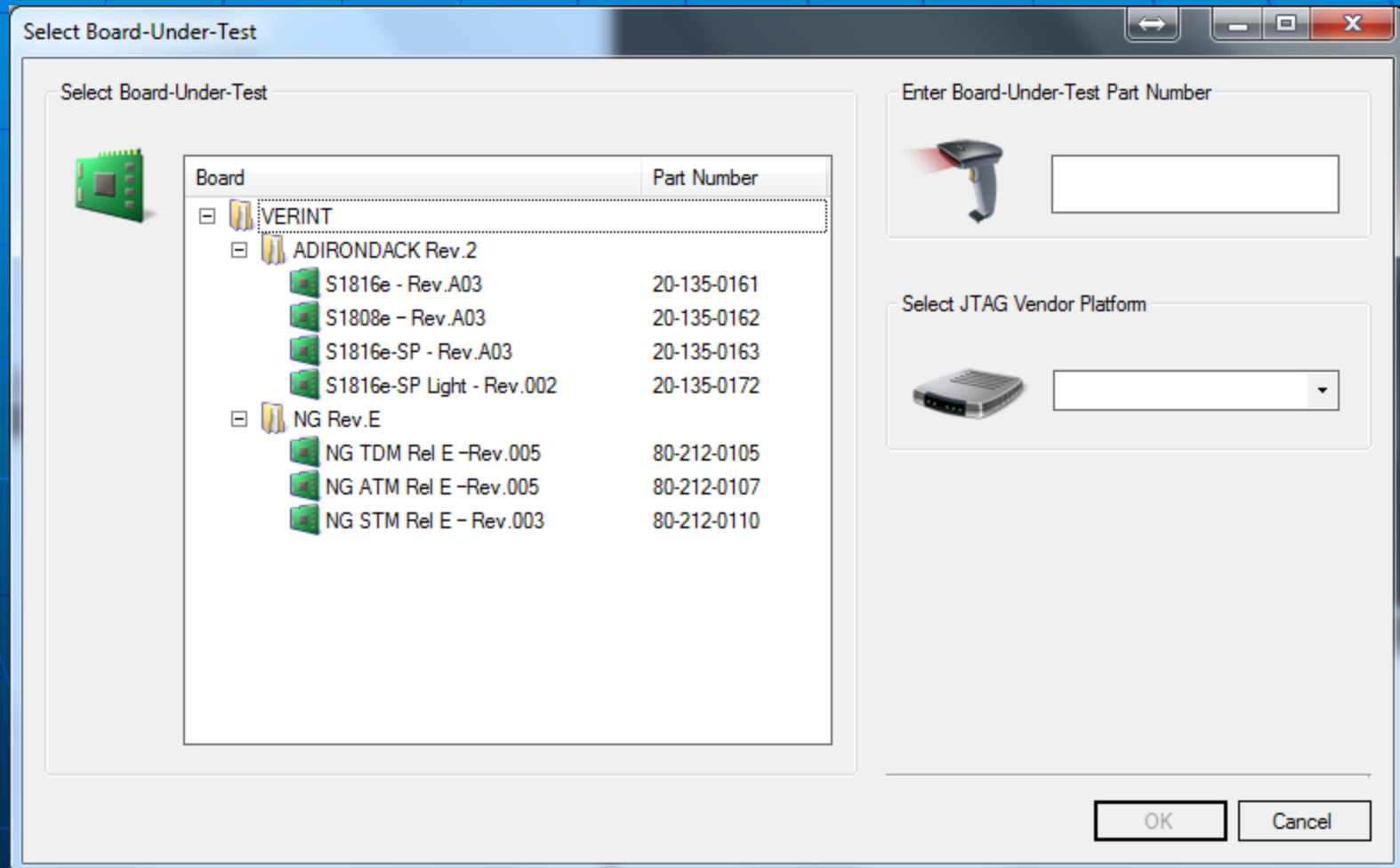
Since 2003

Star**Test**^{TM} **JTAG Manager** is the PC-based operational multi-language (English, Russian) envelope that intended for implementation on the OEM electronic board manufacturing facilities, contract manufacturers and/or in the R&D labs. The **Test Fault Locator** viewer is a subset of the **JTAG Manager**.

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http://www.start-test.com/Products/JTAGManager.php

The **JTAG Manager** has simple and friendly operator oriented GUI for board to test selection and avoids necessity to search the test sequence file placement.

Select Board-Under-Test

Select Board-Under-Test

Board	Part Number
VERINT	
ADIRONDACK Rev.2	
S1816e - Rev.A03	20-135-0161
S1808e − Rev.A03	20-135-0162
S1816e-SP - Rev.A03	20-135-0163
S1816e-SP Light - Rev.002	20-135-0172
NG Rev.E	
NG TDM Rel E −Rev.005	80-212-0105
NG ATM Rel E −Rev.005	80-212-0107
NG STM Rel E − Rev.003	80-212-0110

Enter Board-Under-Test Part Number

Select JTAG Vendor Platform

OK   Cancel

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The **JTAG Manager** makes easy Test Operator's work and troubleshooting process using hyperlinks between failed Nets/Components from Diagnostic and Test Vectors windows to the UUT Database, UUT schematic PDF and graphical UUT screen.

The **JTAG Manager** has a subset called **Test Fault Locator** that allows to read test report and to search possible test failure reason location by the same hyperlinks based engine.

http://www.start-test.com/Products/TestFaultLocator.php

The **JTAG Manager (Test Fault Locator)** specification table.

1. JTAG Manager (Test Fault Locator) supported Input CAD files formats

CAD formats	Acceptable CAD files names & extensions
Fabmaster Project	<NAME>.FAR, <NAME>.FAZ, <NAME>.FAT
GENCAD	<NAME>.GENCAD
Common ODB++ package	<NAME>.ZIP, <NAME>.TGZ
Agilent (HP) 3070 format	BOARD, BOARD_XY (ZIP package <NAME>.3070)

2. JTAG Manager supported JTAG systems files formats

JTAG Test Platform	Acceptable test sequences files extensions
Corelis	<NAME>.TSP. For JMAN only.
JTAG Technologies	<NAME>.SQC. For JMAN only.
FLYNN. onTAP	<NAME>.TXT. For JMAN only.

3. Optional Project files

Files purpose	Files formats
UUT Schematic draft.	<NAME>.PDF
UUT BOM.	<NAME>.CSV
UUT Test report.	<NAME>.DAT, <NAME>.TXT, <NAME>.LOG, <NAME>.CSV*,
UUT JTAG Chain	<NAME>.PDF or image JPG, PNG, BMP
User file 1*	Any of above.
User file 2*	Any of above.
User file 3*	Any of above.

* - not released in current software version

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The **JTAG Manager** specification table (continue).

4. Supported UUT Test report formats.

Test systems	Files formats (names)
Teradyne Z18XX	datalog.dat.
Teradyne Spectrum (Z885X)	<NAME>.txt
Corelis	<NAME>.log
JTAG Technologies	<NAME>.txt.

5. Permanently attending windows

Window name	Attending
Test sequence	JMAN only
Test Vectors	JMAN only
Board view	JMAN & TFL
Run Log	JMAN & TFL
Diagnostic Info	JMAN only

6. Windows appearing By request

Window name	Attending
UUT Database	JMAN & TFL
Board scheme	JMAN & TFL
UUT JTAG Chain	JMAN & TFL
User file 1*	JMAN & TFL
User file 2*	JMAN & TFL
User file 3*	JMAN & TFL

* - not released in current software version

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The **JTAG Manager** specification table (continue).

7. Reports

Report name	Report contents
Test Report (*.CSV, *.TXT)	Content of Run Log window. For JMAN only.
Nets Report (*.CSV)	<NET NAME>,<NET CONNECTIONS>
Part Report (*.CSV)	<PART NAME>,<PIN NUMBER>,<PIN NAME>,<NET NAME>,<NAIL NUMBER>
Nail Report (*.CSV)	<NAIL NUMBER>,<NAIL TYPE>,<NAIL SIDE>,<NET NAME>,<PART.PIN>

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The **JTAG Manager** has easy and friendly GUI for creation and edition the project.

Project Properties [SLM-1379-V2.jtm]

Objects
- Marvell
  - SLM-1379-V2

Platforms

☑ Corelis	☐ onTAP	☑ JT	☐ Demo

Properties

Name	Value
Part Number	SLM-1379-V2
Display Name	SLM-1379-V2
Corelis Parameters	
JT Instrument	37x7
JT Instrument Type	USB
JT Parameters	
Corelis Multiboard Prefix	
JT Multiboard Suffix	

Files

Type	Path	Embedded	Update
Layout File	C:\OnTAP\Marvell\SLM-1379-V2\TFL\slm1379_r2_odbjob.tgz	Yes	No
Nails File		No	
Board Schematics	C:\OnTAP\Marvell\SLM-1379-V2\TFL\DB-XC3-24G4XG-REV2_...	Yes	No
JTAG Chains	C:\OnTAP\Marvell\SLM-1379-V2\Chain\DB-XCAT3-24GE_JTAG...	Yes	No
BOM File	C:\JTAG\Marvell\BOM\DB-XC3-24GE-6SFP+Rev 2.0 (ASSY000...	Yes	No
Log File		No	
Corelis Project	C:\OnTAP\Marvell\SLM-1379-V2\Corelis\SLM-1379-V2.tsp	No	
JT Project	C:\JTAG\Marvell\Sequences\slm-1379-v2.sqc	No	

OK   Cancel

The **JTAG Manager** creates test report and allows to save it in CSV file,

```
Test Results - Detailed Log - Created by JTAG Manager
----------------------------
Tuesday, May 06, 2014 9:52 AM
Board-Under-Test:        PCB152
Serial Number:           0001
--------------------------------------------------------------------------------
   Test Step                                                        Result
   ---------                                                        --------
   Test - cpld_infra - infra                                        Skipped
   Sys - pcb152_cpld_erase                                          Skipped
   Sys - cpld_u35_prog                                              Skipped
   Test - infra_with_pcb137 - infra                                 Passed
   Test - inter_with_pcb137                                         Failed

   Test Failed
--------------------------------------------------------------------------------
   Name: Test - infra_with_pcb137 - infra
   Time: 9:52:45 AM

! BRC Version 1.6.1.6 - 20130903 Win32
SYNTAX_VERSION 1.3
DESIGN  pcb137
TEST    INFRA

INPUT_FILES
GEN_FILE "Infra_with_pcb137.gen"
APL_FILE NONE
CNN_FILE "infra.cnn"
END_INPUT_FILES

ERRORS 0
END_ERRORS


--------------------------------------------------------------------------------
   Name: Test - inter_with_pcb137
   Time: 9:52:47 AM

Check tool authorization
Start diagnostics
```

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Or to save it in TXT or CSV formats for further processing.

The fully functional 30-days evaluation version is accessible. The license for 30-days evaluation version will be sent to user after receiving the Computer Hardware ID, obtained by first start the software after it's installation on the user's computer.
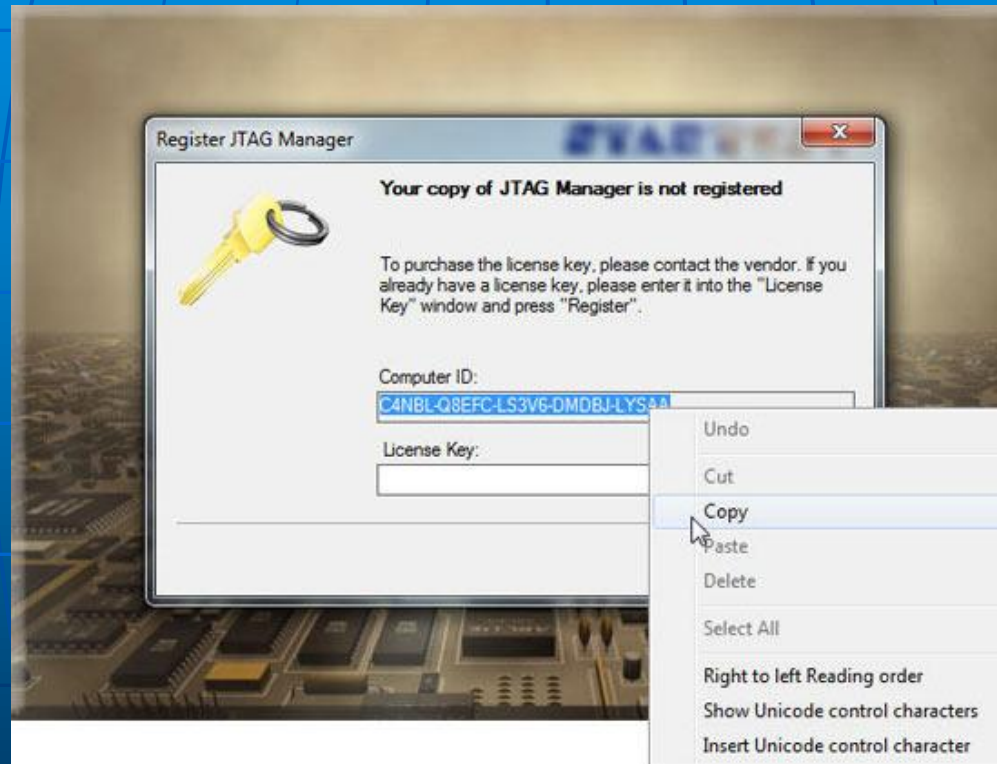
Copy data from Computer ID line and send to **info@start-test.com** with the subject: **JMAN 30 days evaluation**. The License Key will be sent to you shortly.
Download fully operated 30-days evaluation version now from:
ftp://jmandev@ftp.start-test.com   Password: JmanDev

http://www.start-test.com/Products/JTAGManager.php

Thank you
for your patience.