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Multiple tasks, the single solution!

The StarTest **JTAG MANAGER** software set contains three main modules:

JMAN – **JTAG Manager** is the PC (Windows)-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;

OFS – **Operator's Fault Spotlight or Offline Fault Search** station. This module allows to work with test history files stored by **JMAN** in order to repair fault boards offline (without connection to BS equipment) in any time;

TFL – **Test Fault Locator** viewer is a subset of the **JTAG Manager**. Works with BOM and can read test report files from FP, ICT and FT stations.

The software is intended for use by:
JTAG testing operators - **JMAN and OFS modules**;
Repair technician staff after JTAG and ICT testing - **TFL and OFS modules**;
Manual soldering workers - **TFL module**;
Visual inspection controllers - **TFL module**.

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

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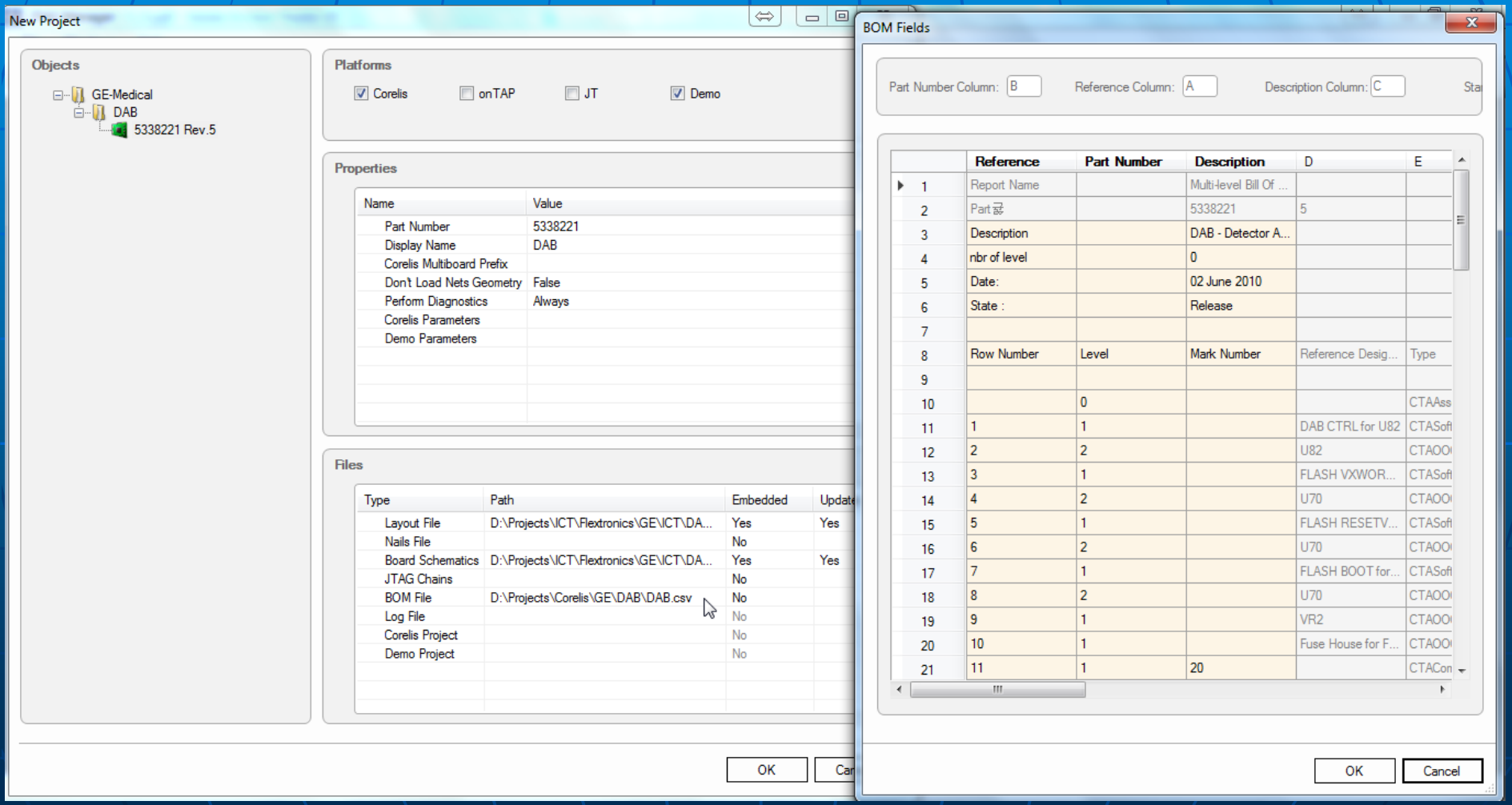
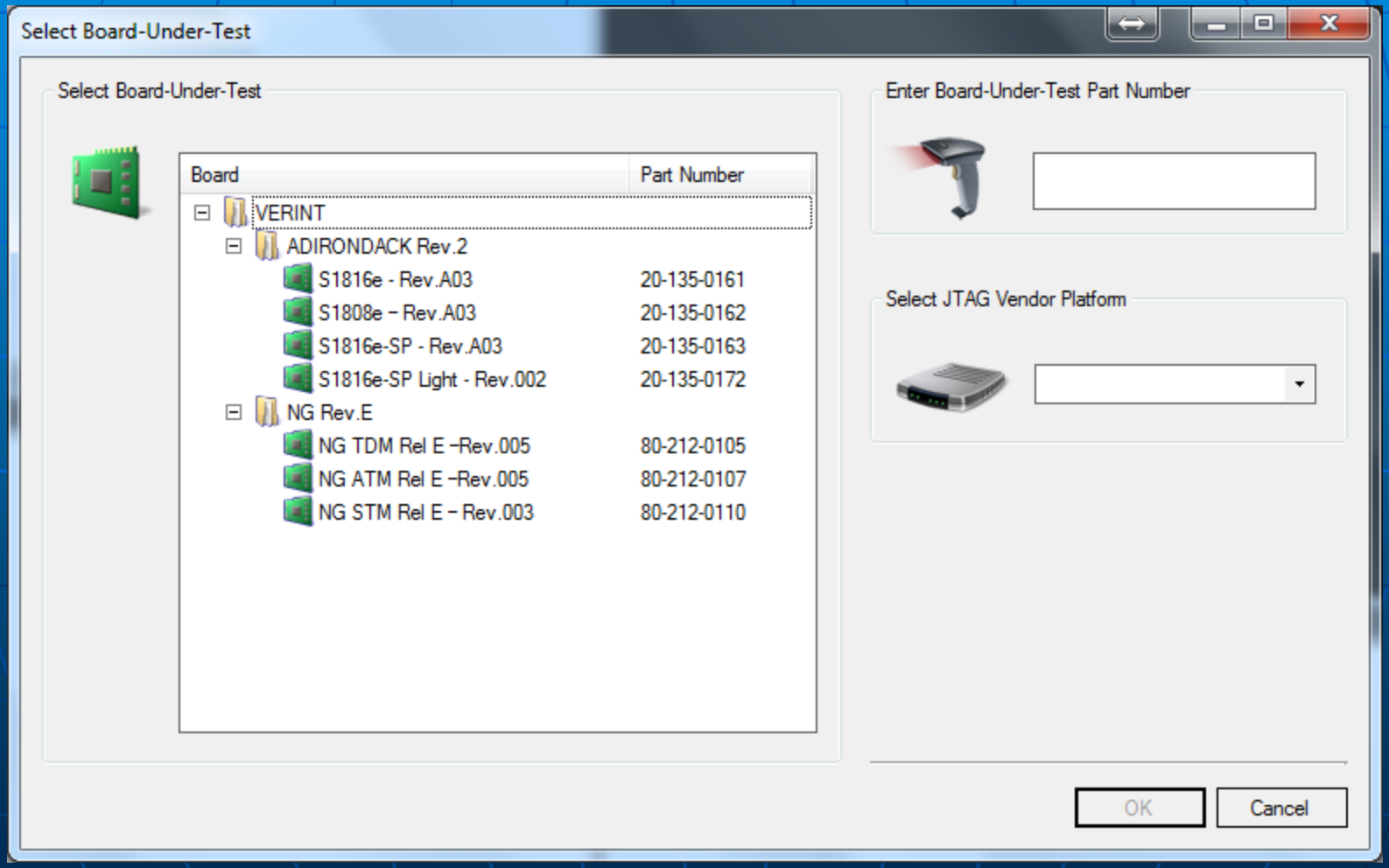
The **JTAG Manager** has easy and intuitively understandable GUI for a new project creation that allows to build tree projects structure.



http://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.



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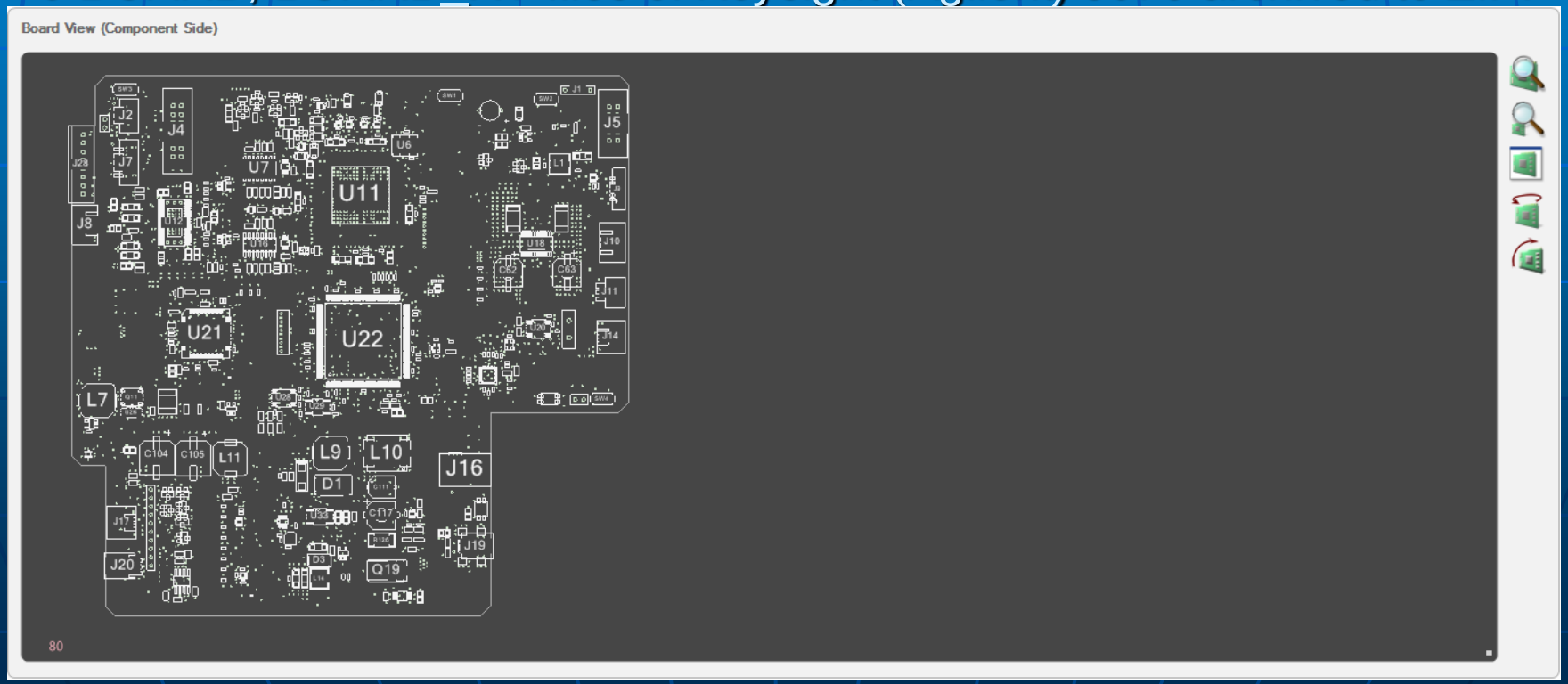
The **JTAG Manager** creates the Board View window from the input CAD file with convenient control panel at the right side of the window.

Supported CAD formats:

- o FABMASTER files in FAZ, FAT formats;
- o GENCAD;
- o ODB++ files archived to ZIP, TGZ;
- o BOARD, BOARD_XY files of Keysight (Agilent) 3070 archived to ZIP.



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

In order to reduce the project load time and the project file size the **JTAG Manager** creates file in specially designed JMD format.

Import Board Layout

Select opened layout

Layout file: mcb_jtag.far

Select

Load layout from file

Layout file: Browse

Nails file (optional): Browse

BOM file (optional): Browse

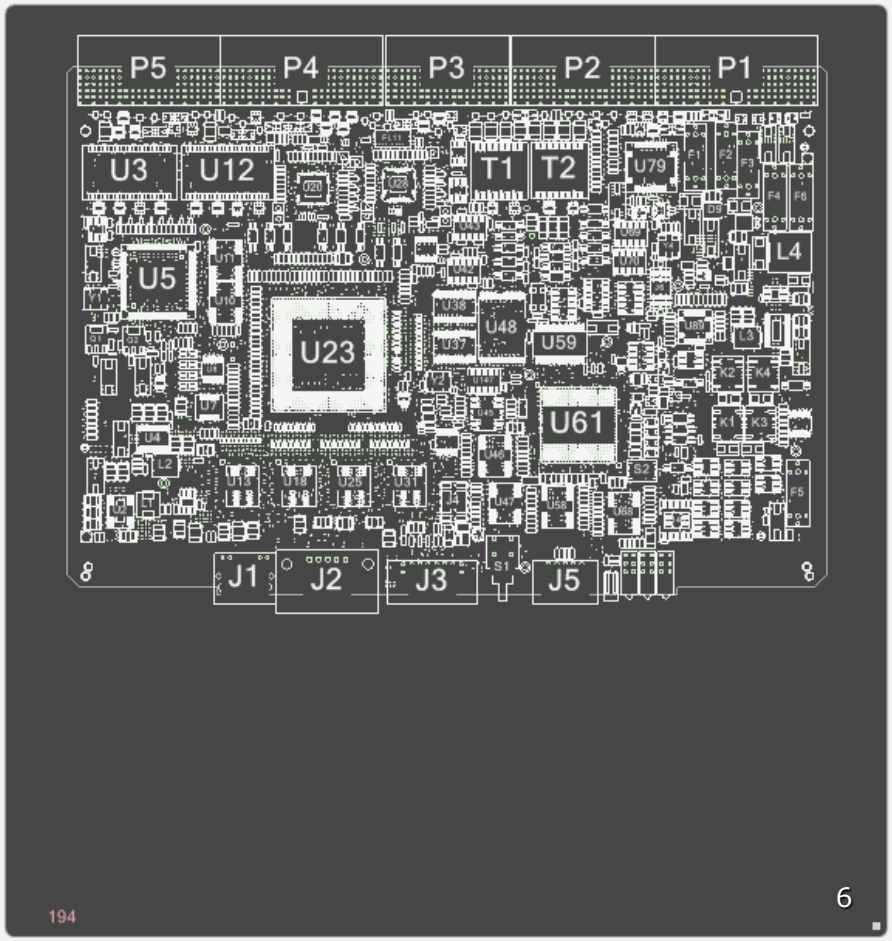
Don't load net geometry

Load

Info

	Input Layout	JTAG Manager Database
Parts	2997	2997
Nets	2293	2293
ICT Nails	70	70
BOM Entries	142	142
File size (KB)	23,770	1,789
Load time (sec.)	8	1

Board View - mcb.jmd



The **JTAG Manager** establishes a project database from input files CAD and BOM. The Data Base includes five interrelated tables - PARTS, NETS, ICT NAILS, BOM, CATEGORIES.

UUT Database - EPT-2015

Parts (280) | Nets (122) | ICT Nails (115) | BOM (99) | Categories (21)

Find | Deselect All

Part/Pin	Net	ICT Nail	Category	BOM Part Number	BOM Description
R41			Resistor	Part not in BOM	
R42			Resistor	102-00029-01	RES,60K4,1%,1/20W,0201
R43			Resistor	101-00227-01	RES,1.00K,1%,1/10W,0603,HV
R44			Resistor	102-00029-01	RES,60K4,1%,1/20W,0201
R45			Resistor	102-00031-01	RES,100K,1%,1/20W,0201
R46			Resistor	102-00023-01	RES,22K,1%,1/20W,0201
R47			Resistor	102-00036-01	RES,806K,1/10W,1%,0603,HV
R48			Resistor	102-00025-01	RES,41K2,1%,1/20W,0201
R49			Resistor	102-00014-01	RES,10R,1%, 1/10W,0603,HV
R50			Resistor	101-00253-01	RES Anti-Surge ,20R,1%,0.2W,0603
R51			Resistor	102-00026-01	RES,49K9,1%,1/20W,0201
R52			Resistor	102-00025-01	RES,41K2,1%,1/20W,0201
1	B_ICOMP_MEAS	37			
2	N15409851	32			
R53			Resistor	102-00020-01	RES,10K,1%,1/20W,0201
R54			Resistor	101-00213-01	RES,13.7K,1%,1/20W,0201
R55			Resistor	102-00029-01	RES,60K4,1%,1/20W,0201
R56			Resistor	102-00037-01	RES,10M,1%,1/10W,0603,HV

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

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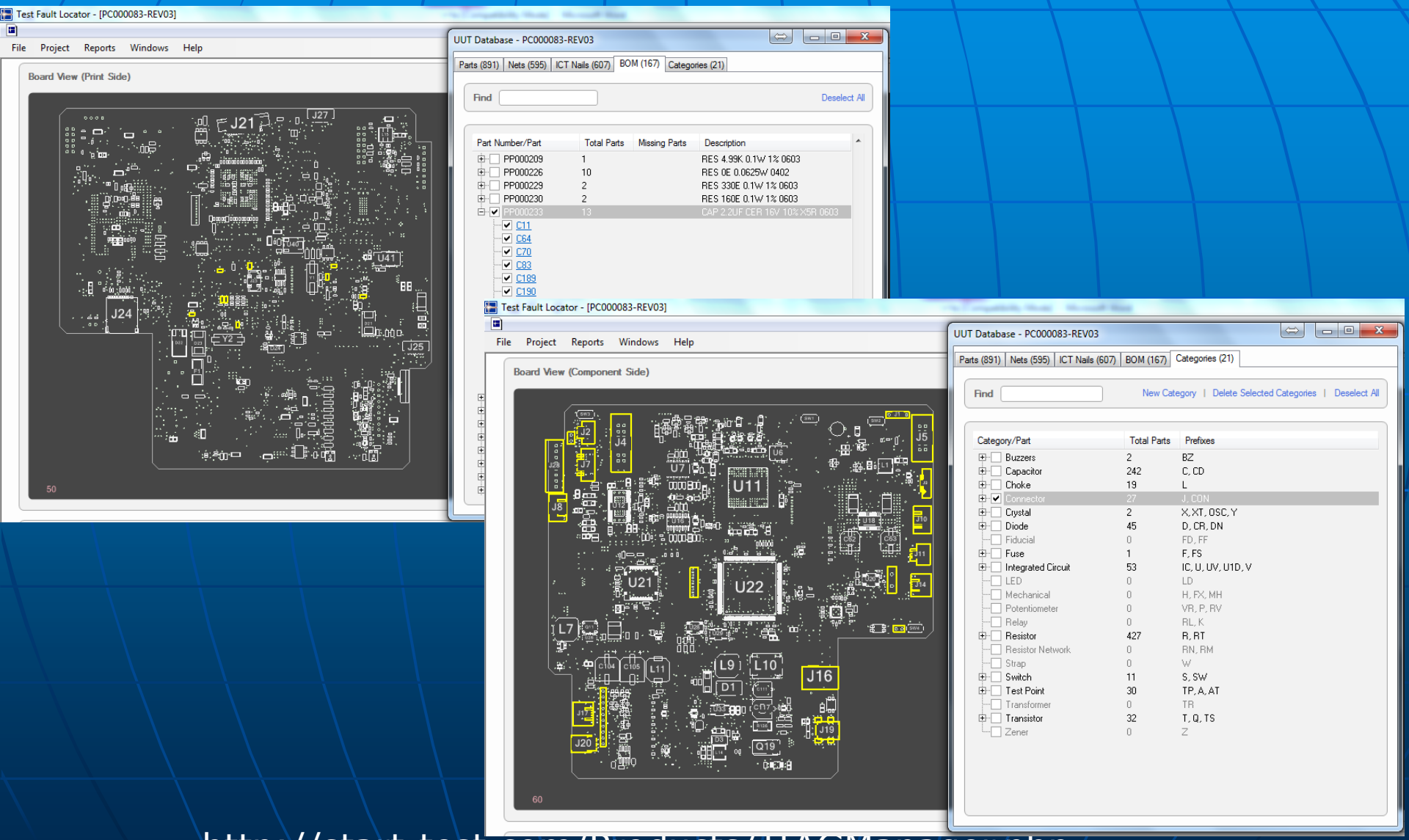
The **JTAG Manager** allows to implement search of components by PN or by Categories.



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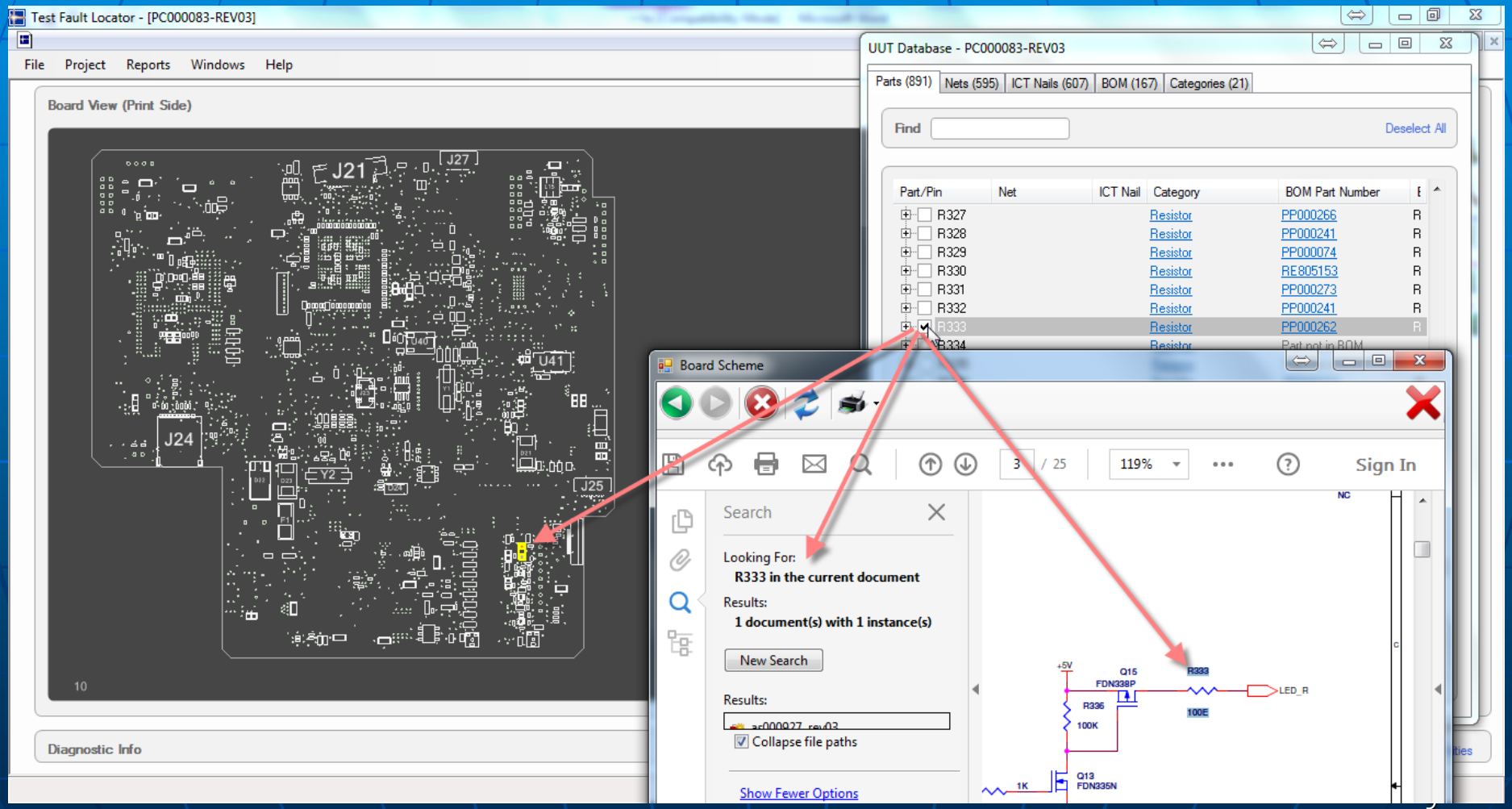
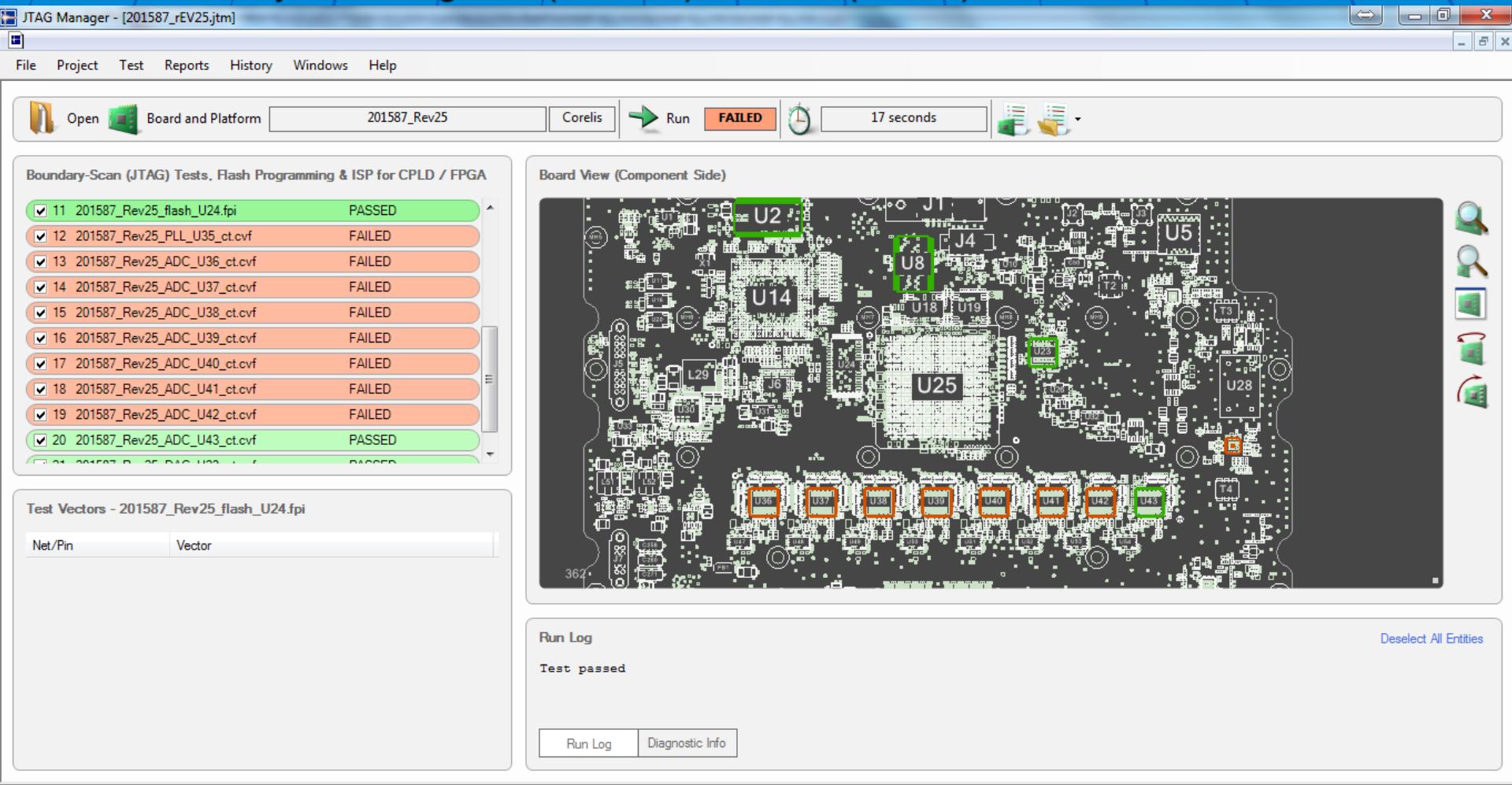
The **JTAG Manager** realizes simultaneously search of Parts and Nets in Board Scheme and Board View windows



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

The **JTAG Manager** allows to run BS testing sequences based on CORELIS and JTAG TECHNOLOGIES platforms and graphically displays the test results on the Board View window by colors - green (Passed) and red (Failed).



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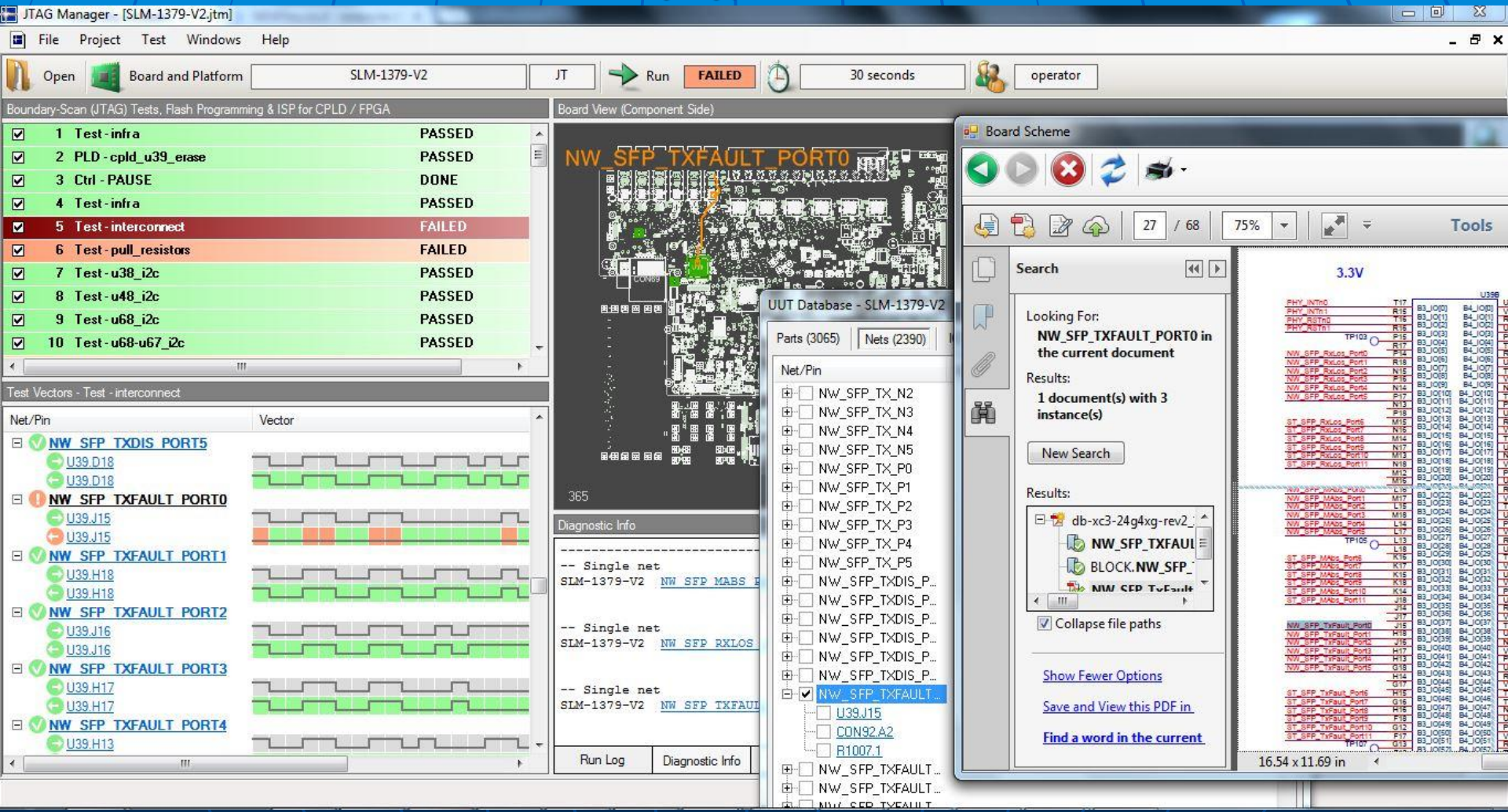
The **JTAG Manager** makes the Test Operator's work and troubleshooting process easier by concentrating all the necessary data on a single screen and connecting their by hyperlinks.



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

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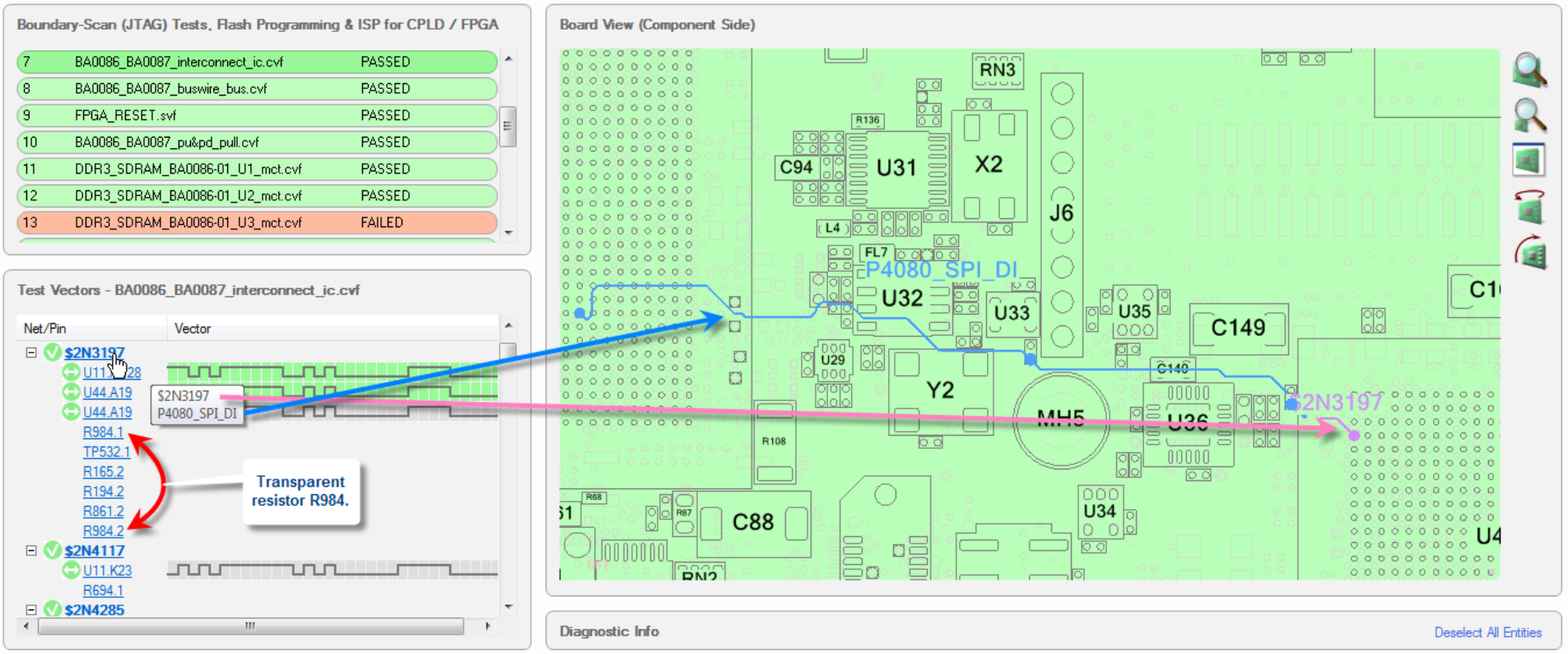
The **JTAG Manager** allows to see full path of “Merged_Nets” through transparent components view, include all related printed conductors and pins.



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

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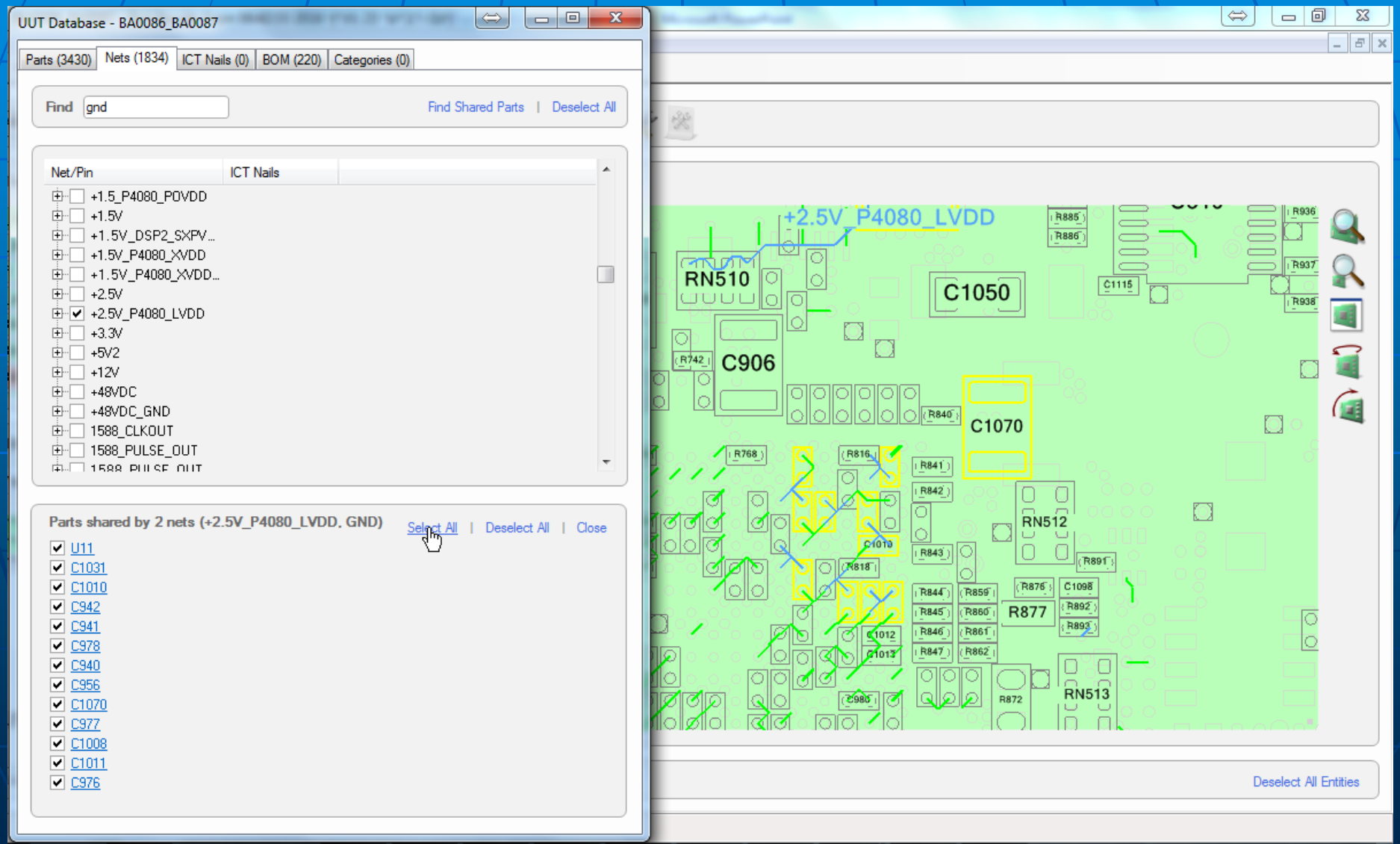
The JTAG Manager allows to find Parts shared by two or more Nets. This feature may be helpful for shorts search.



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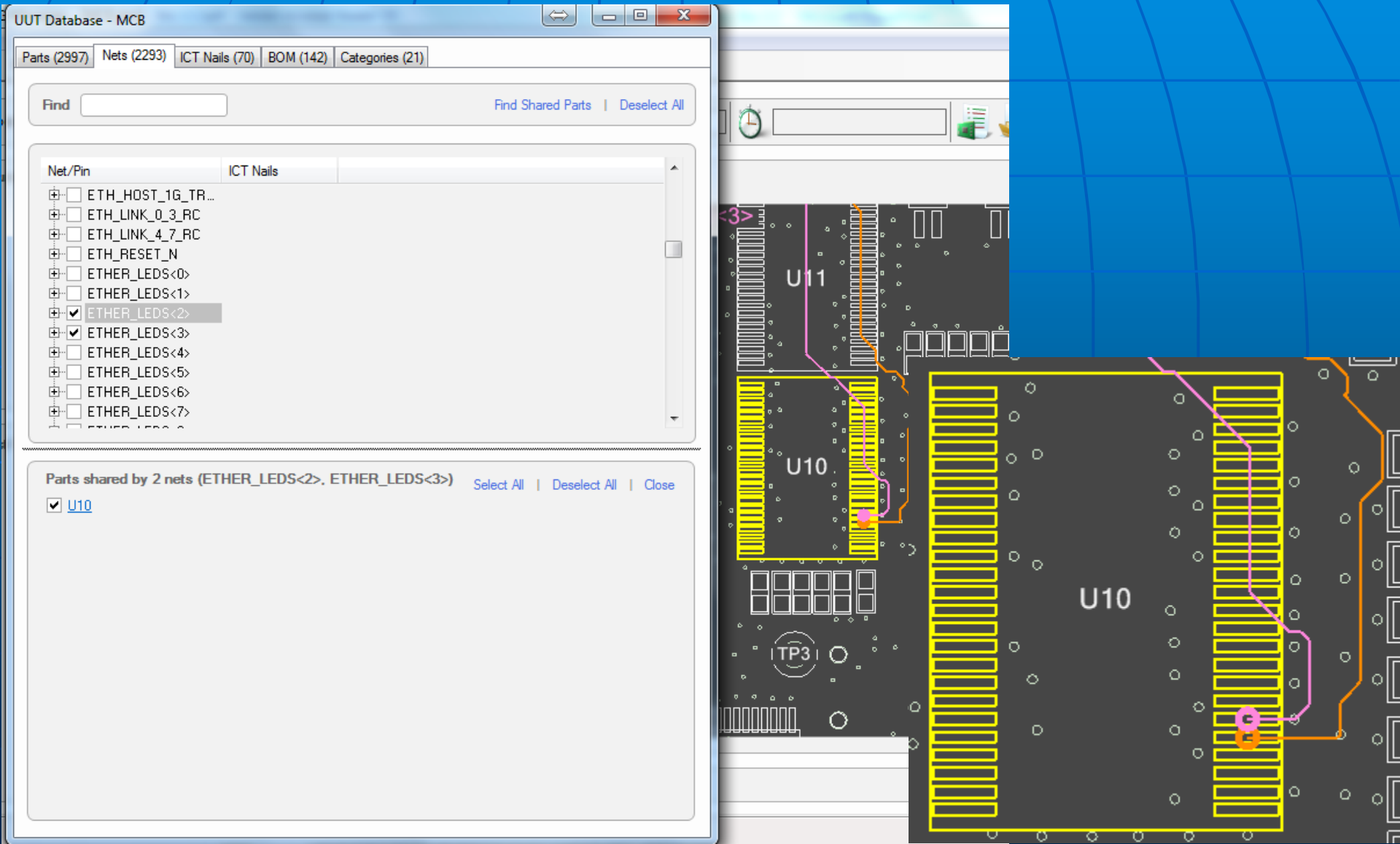
Simultaneous highlighting of two suspicious conductors can detect the exact short location.



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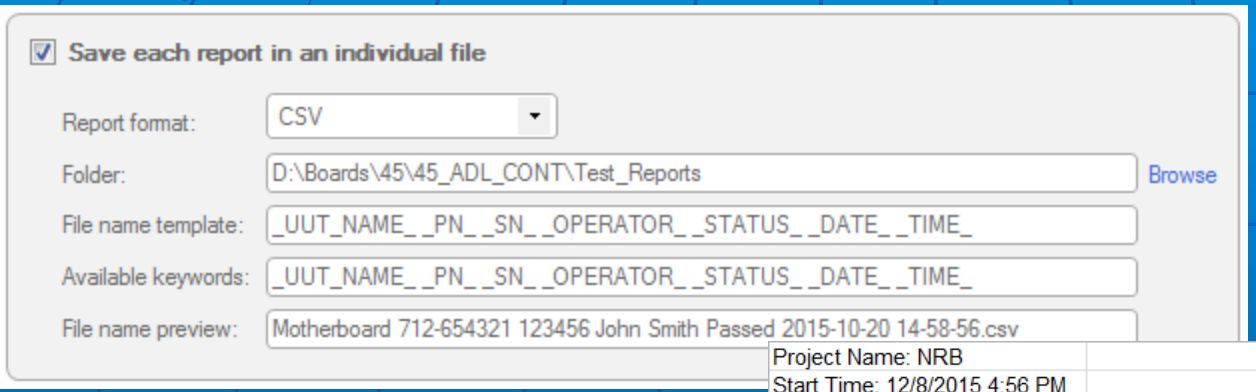
The **JTAG Manager** produces reports and history files with the names defined by template and stores them in the user defined folders.



Project Name: NRB				
Start Time: 12/8/2015 4:56 PM				
End Time: 12/8/2015 4:59 PM				
Elapsed Time: 3 minutes 5 seconds				
Created by: JTAG Manager rev. 3.1 build 5818JFTE				
JTAG System: JT				
JTAG Controller Type: 37x7 USB				
UUT P/N: NRB				
UUT S/N: 0083				
Sequence Status: Passed				
Test Step Num	Test Step Type	Test Step Name	Elapsed time	Result
1	Ctrl	Ctrl - PAUSE	4 seconds	Done
2	Test	Test - nrb_inter - capture	0 seconds	Passed
3	Test	Test - nrb_inter - ident	0 seconds	Passed
4	STAPL	STAPL - nrb_fpga_prog_u618 - NRB_FPGA_U618	10 seconds	Passed
5	STAPL	STAPL - nrb_fpga_prog_u618 - NRB_FPGA_U618	6 seconds	Passed
6	Ctrl	Ctrl - PAUSE	25 seconds	Done
7	Test	Test - nrb_inter - capture	1 second	Passed
8	Test	Test - nrb_temp_sens20+_u619	1 second	Done
9	Ctrl	Ctrl - IF (item=fail)		Skipped
10	Test	Test - nrb_temp_sens20-_u619	0 seconds	Passed
11	Ctrl	Ctrl - ELSE		Skipped
12	Ctrl	Ctrl - ENDIF		Skipped
13	Test	Test - nrb_temp_sens20+_u620	1 second	Done

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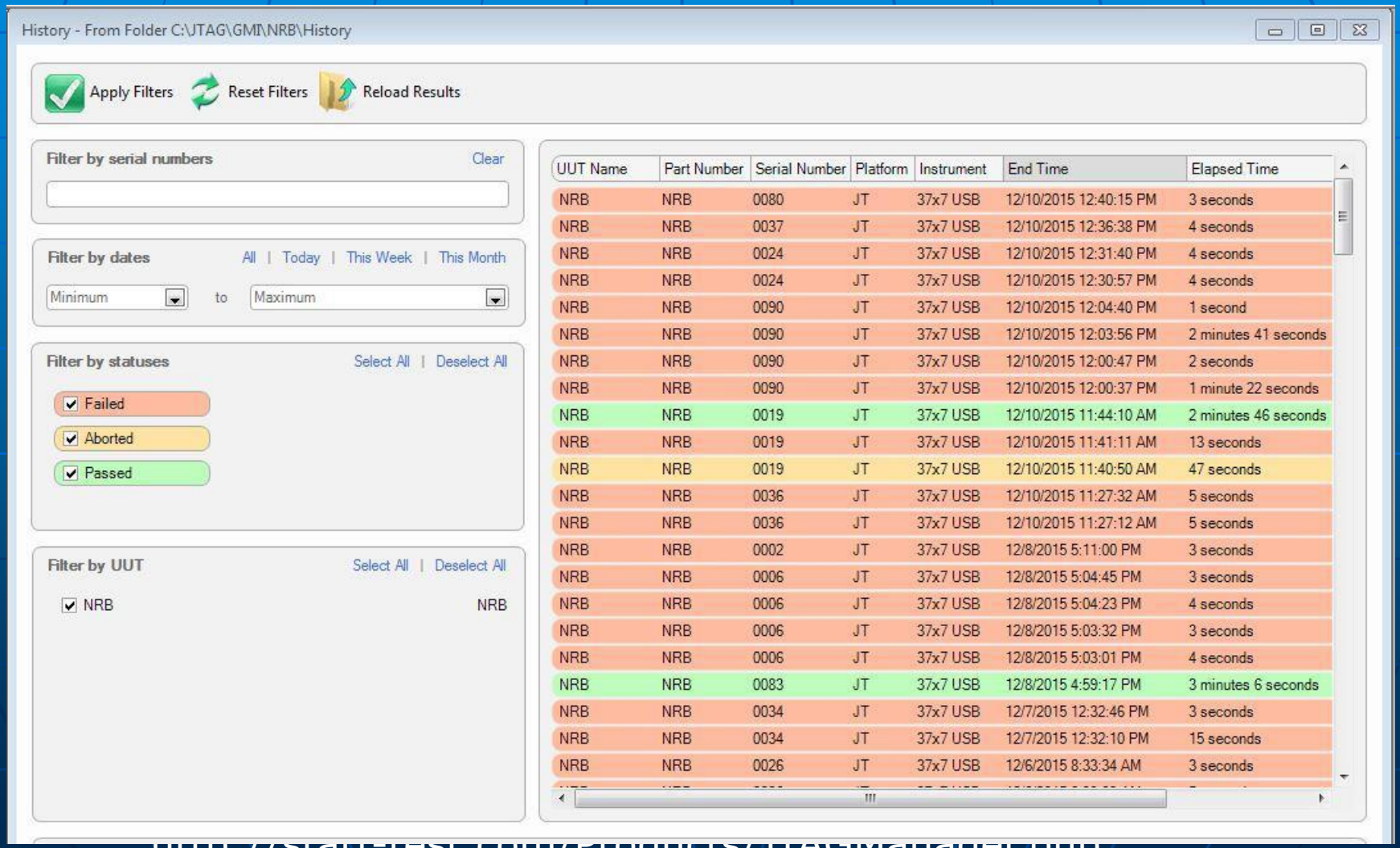
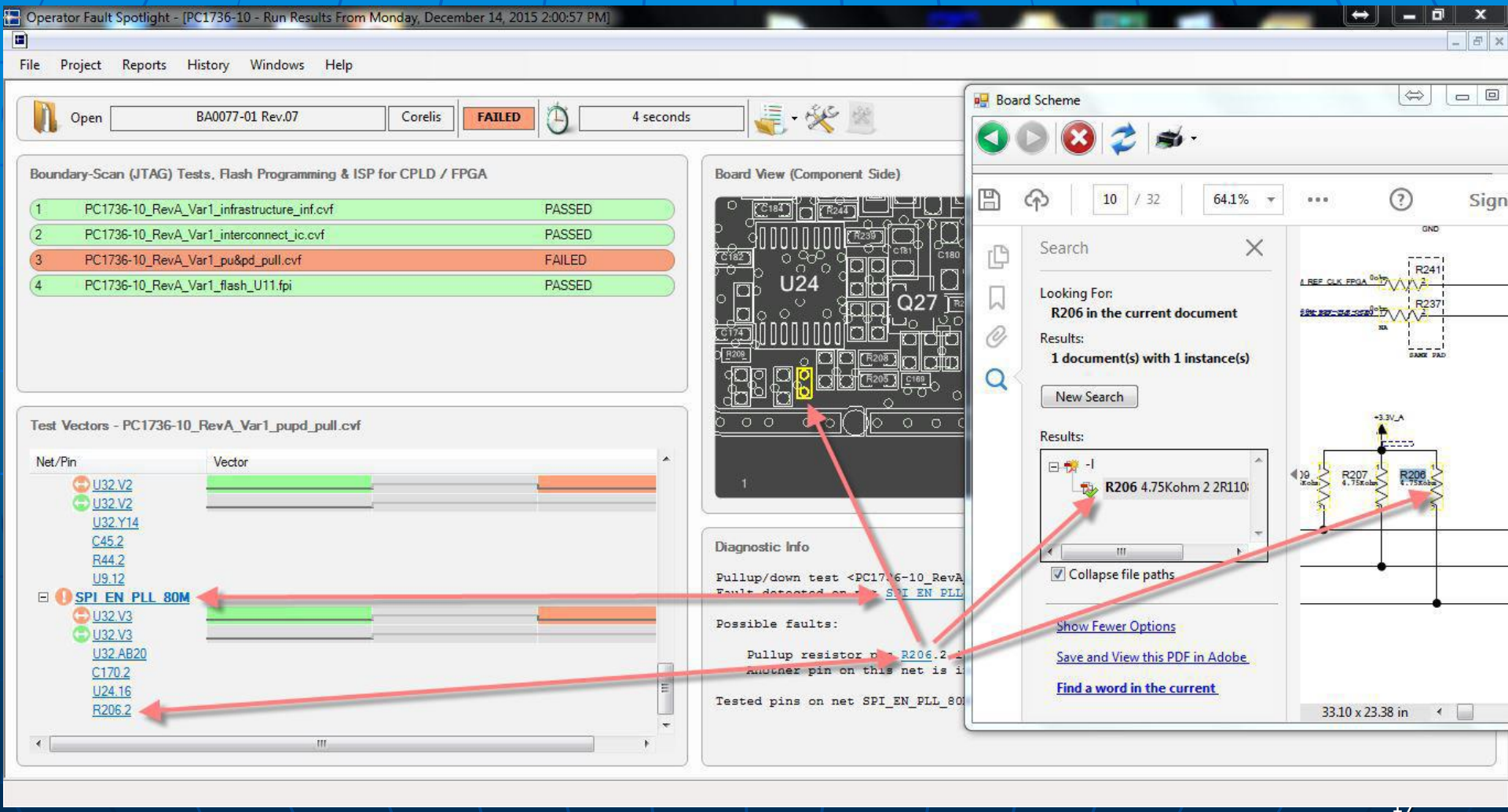
The **JTAG Manager** establishes a Test History Data Base from stored history files and previously repair reports to following data processing and boards troubleshooting at **Offline Fault Search** (**OFS**) station.



The stored history files include all information and screens appearing during test execution and can be viewed at **Offline Fault Search** (**OFS**) station for troubleshooting.



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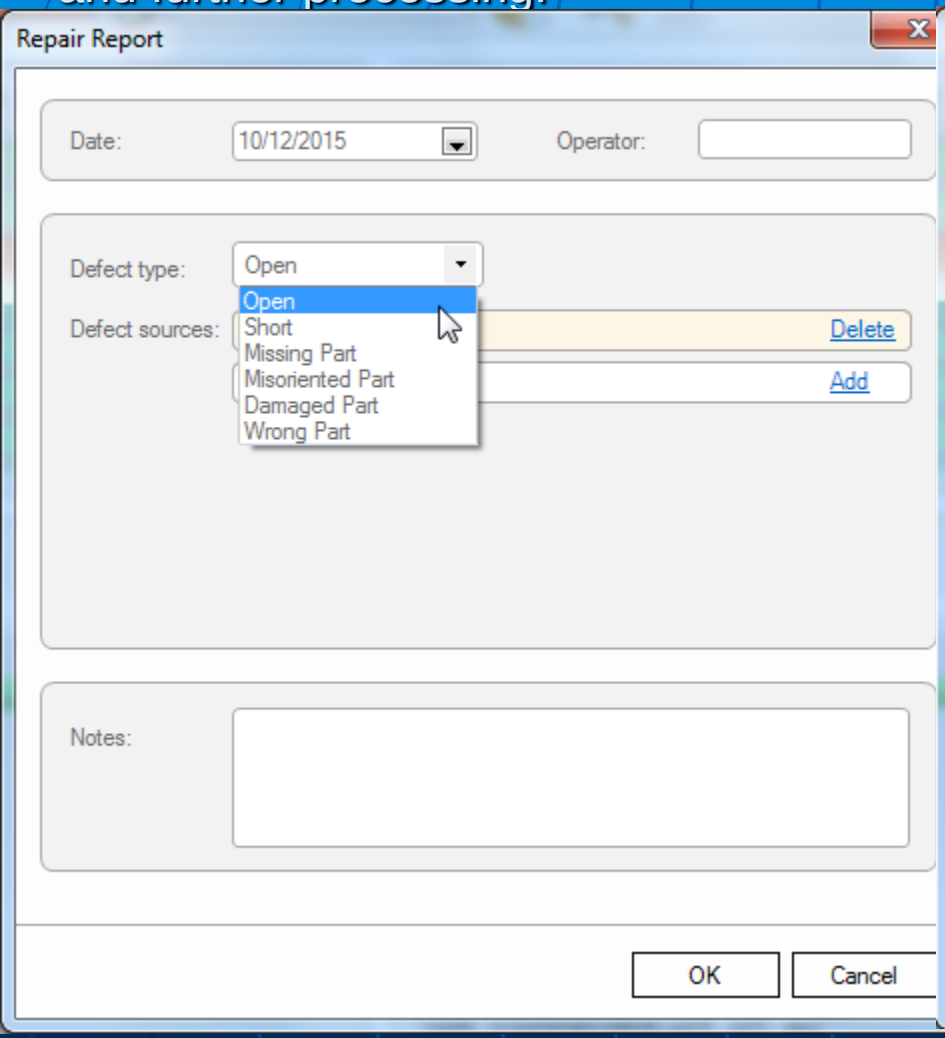
After the board repair the Repair Report should be filled in by the technician person. The Repair Report has saved as part of the history Data Base for statistical collection and further processing.



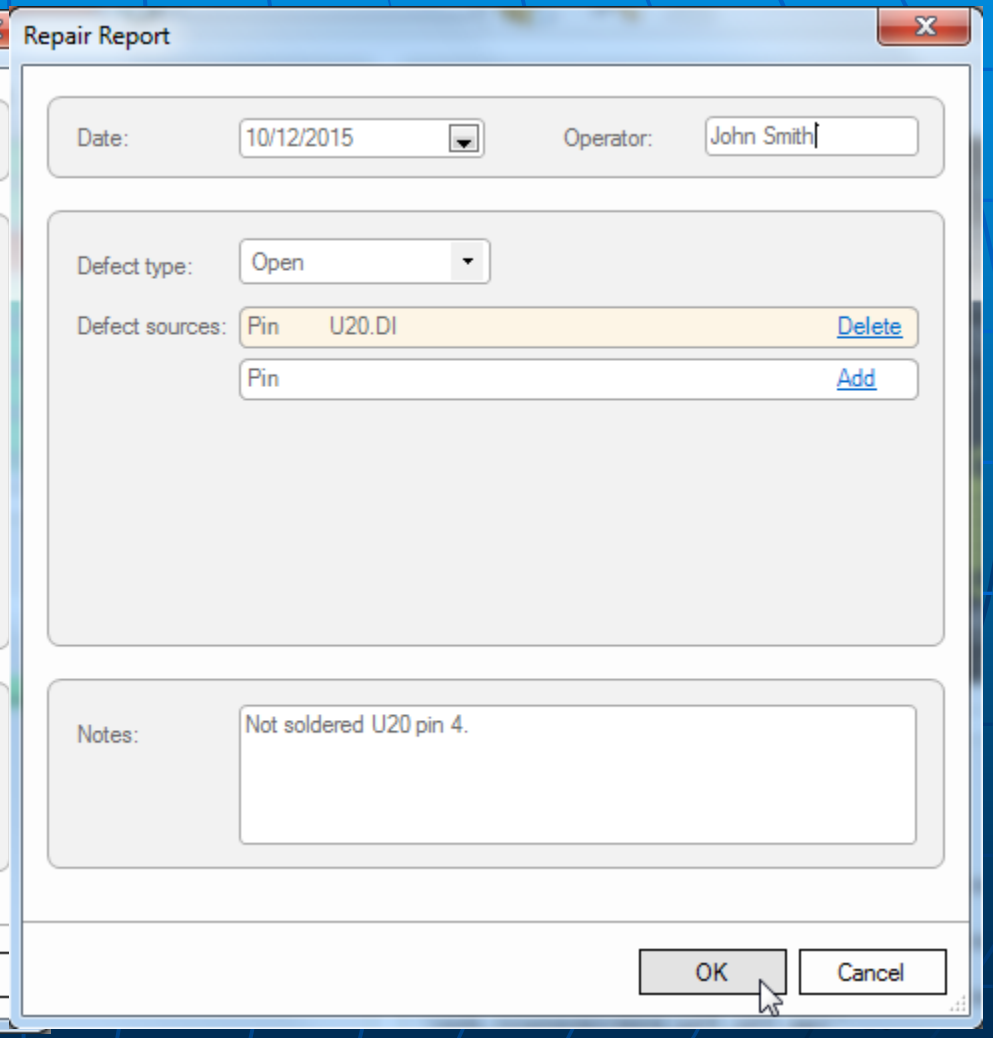


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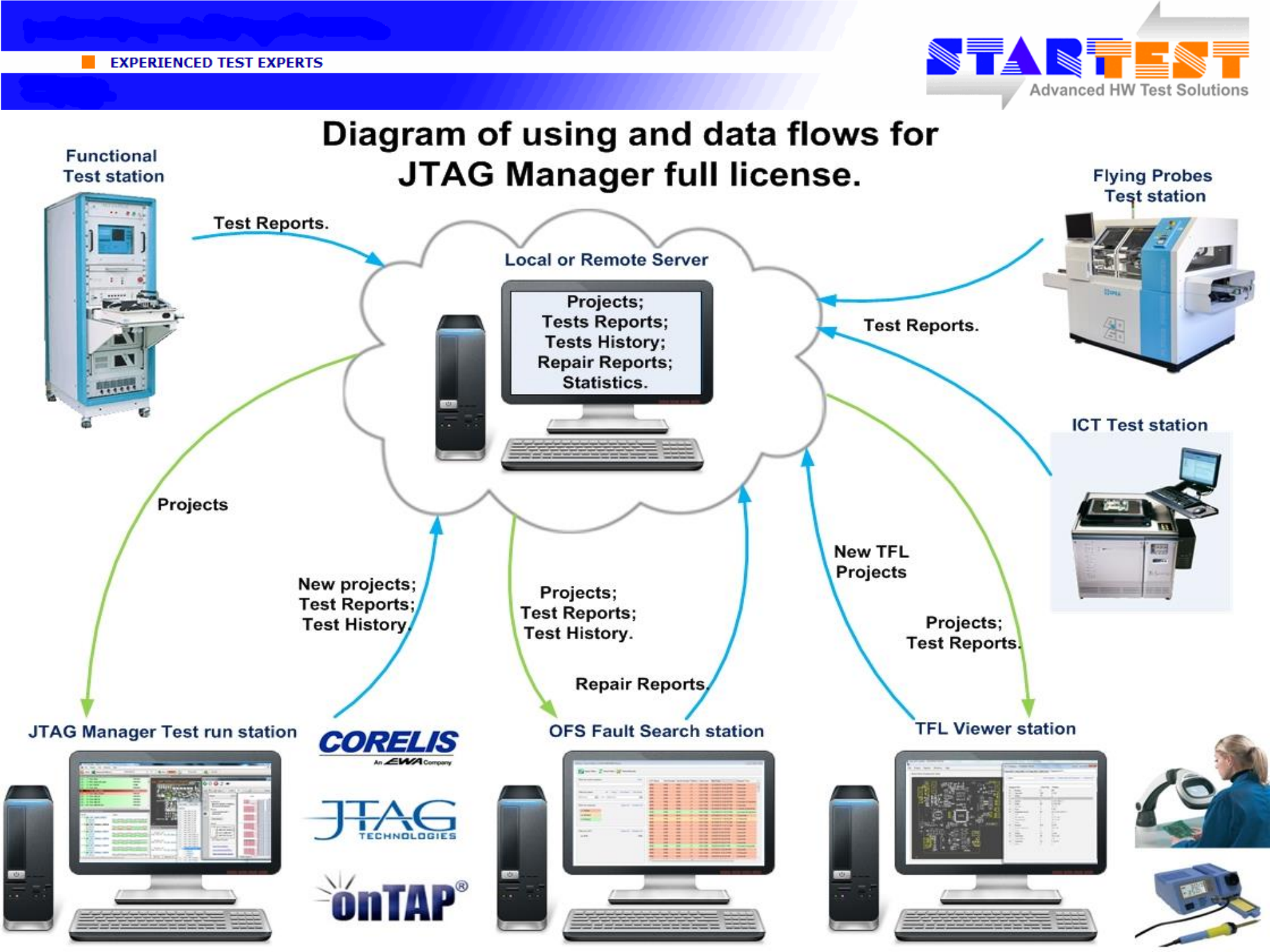
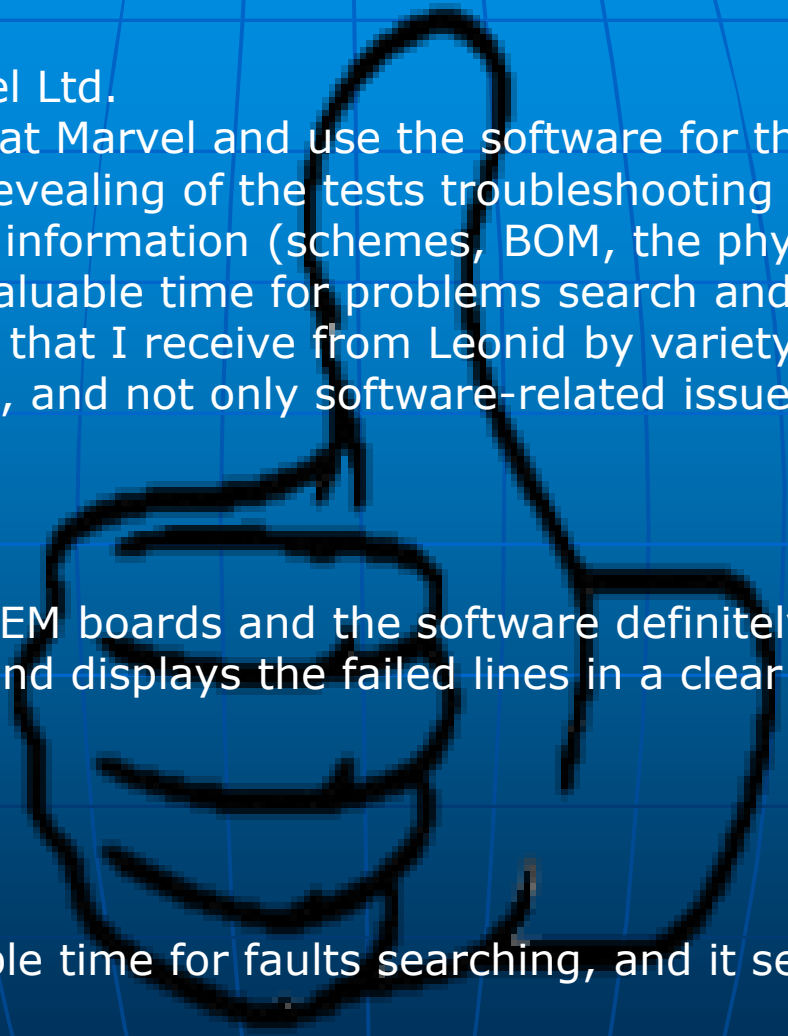
Diagram of using and data flows for JTAG Manager full license.



User's comments (Eng)



Bialer Ran
Final tests at Marvell Israel Ltd.
My name is Ran, working at Marvel and use the software for the last year. The user-friendly software makes revealing of the tests troubleshooting very easy to process. Concentration of required information (schemes, BOM, the physical location of components etc.) saves valuable time for problems search and fixing. It is important to note the broad support that I receive from Leonid by variety of topics related to testing using the software, and not only software-related issues.

David Shabo
JTAG testing technician.
Elbit Systems Ltd.
I worked to repair of MODEM boards and the software definitely helped me to do it. The software is effective and displays the failed lines in a clear and easy form to diagnostic.

Oded Nir
Testing team leader.
Elbit Systems Ltd.
The software saves valuable time for faults searching, and it seems that it really streamlines the work.

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

Licenses

- 30-days free software evaluation license for a single position;
- A single position annual license. This license should be renewed each additional year;
- A single position license without time limit. Including support for the first year. The support issue is renewable for each additional year;

- Full license includes all three modules JMAN, TFL and OFS;
- TFL license includes support of TFL module only;
- OFS license includes support of OFS module only.

- Corporative license for up to 10 JMAN and 10 TFL or OFS stations;
- Corporative license for up to 20 JMAN and 20 TFL or OFS stations;
- Corporative license for up to 50 JMAN and 50 TFL or OFS stations.

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Thank you
for your attention.