

# **Huntron Workstation Tracker Model 30 Tutorial**

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# Huntron Workstation Software Tutorial

## Huntron Workstation software

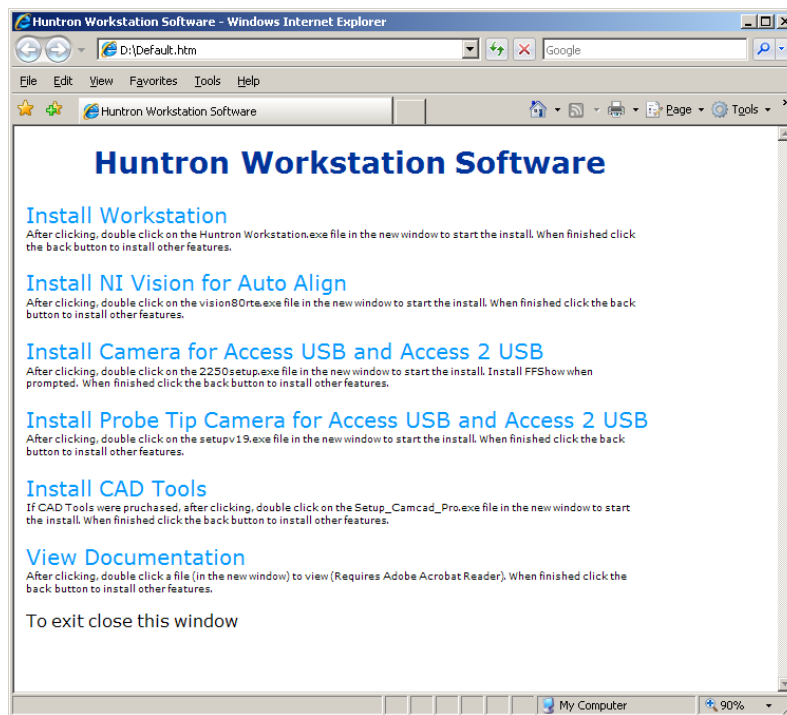
It is very helpful if you have a working knowledge of Microsoft Windows prior to using Huntron Workstation.

You are allowed to create a backup copy of the software disk. *Your purchase agreement allows for copies to be made for backup purposes only- copying for distribution or resale is strictly prohibited.*

## Installation Instructions

Install the software **BEFORE** connecting any hardware. Uninstall any previous versions prior to loading the current version. For more installation details follow the "Getting Started" sheet included with your Huntron product.

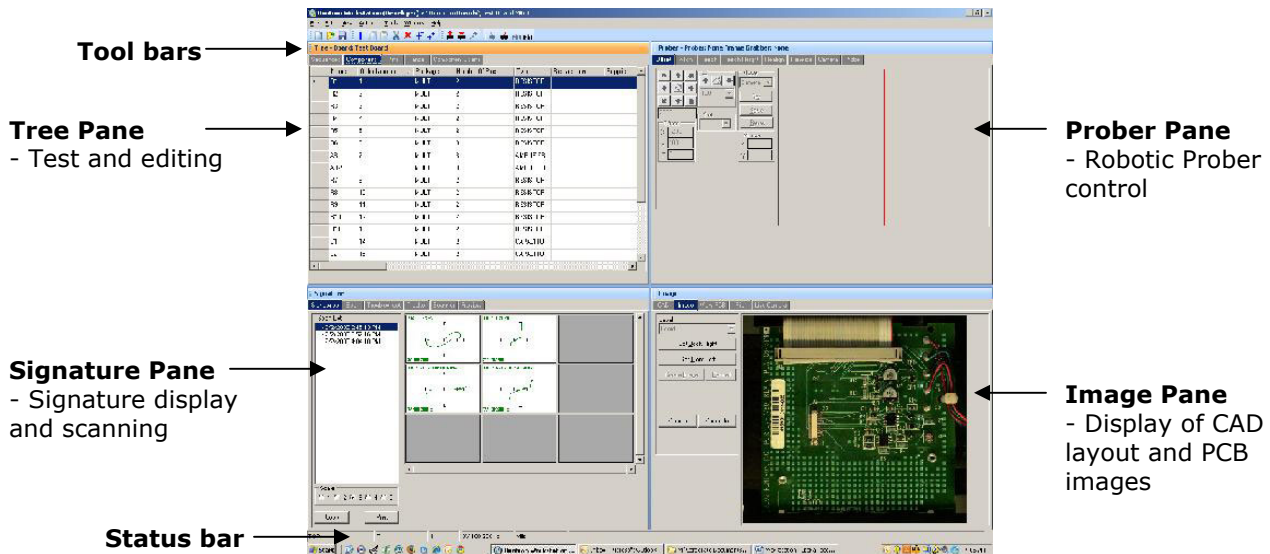
While in Windows (2000, XP or Vista), insert the Huntron Workstation CDROM. The CDROM should Autorun and display the Installation page in a browser window.



Select **Install Workstation** and follow the on-screen prompts for instructions while proceeding. When complete the programs listing will have a new program group called "Huntron" and an icon will be placed on the desktop. You can view support documentation in PDF by clicking **View Documentation**

## Huntron Workstation Main Interface

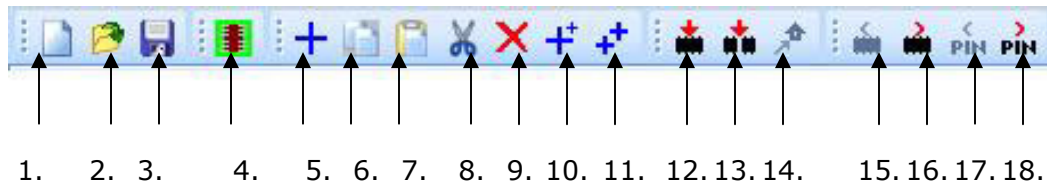
When starting Huntron Workstation for the first time, you will be prompted for an activation code. Type in the code exactly as it is presented on the installation CD. Huntron Workstation 4 has built-in conversion utilities that enable conversion of board tests created in 3.X versions of Huntron Workstation.



The Main Window for Huntron Workstation 4 features a multi-pane layout so many aspects of the test creation and execution can be displayed at the same time. The Panes are interactive to a certain degree in that changes in one Pane will affect other Panes. The Panes can be resized, floated independently or "tabbed" to the sides of the window. The Status Bar displays information about items currently selected and status information while processes are running.

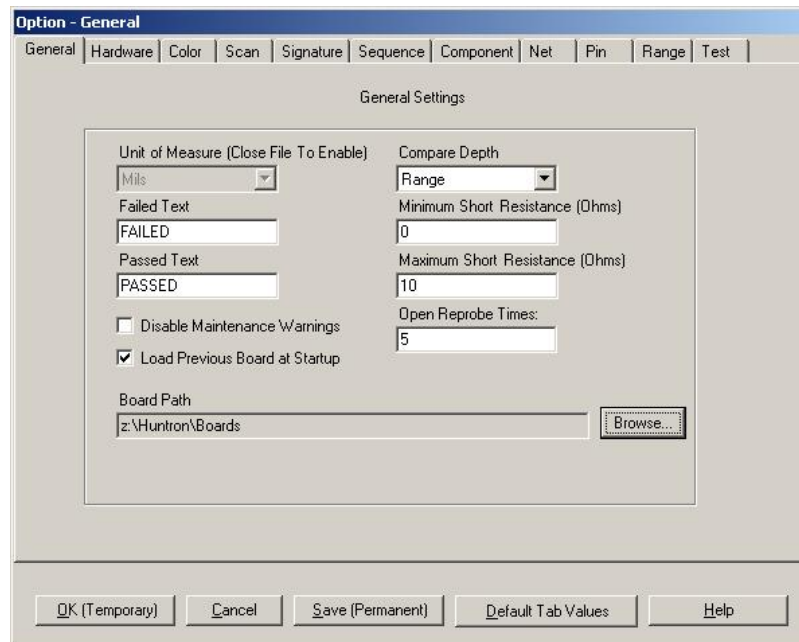
## The Toolbar

The Toolbar just under the application menus allows for quick access to several program functions. The function of each is broken out in the diagram below.



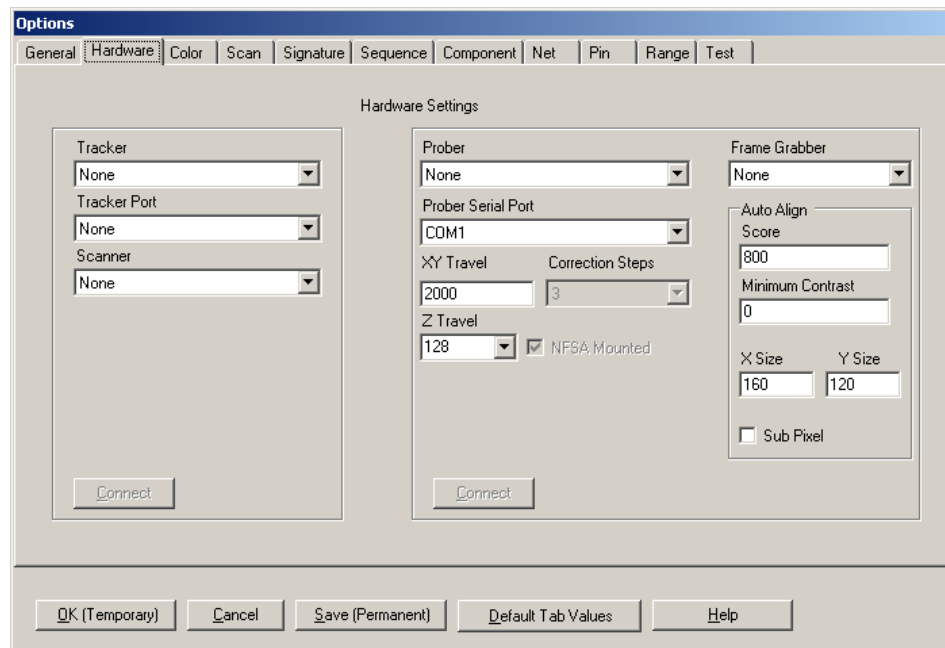
- |  |                                       |
|--|---------------------------------------|
| 1. Create New Board database                 | 10. Build New (Sequence, Component)   |
| 2. Open Board database                       | 11. Repeat New (Sequence, Component)  |
| 3. Save As...                                | 12. Scan Component or Net             |
| 4. Custom Button(s) (User created)           | 13. Scan Sequence                     |
| 5. Add New (Sequence, Component or Range)    | 14. Send Prober head to Home position |
| 6. Copy (Sequence, Component, Net or Range)  | 15. Previous Component or Net         |
| 7. Paste (Sequence, Component, Net or Range) | 16. Next Component or Net             |
| 8. Cut (Sequence, Component, Net or Range)   | 17. Previous Pin                      |
| 9. Delete (Seq., Comp., Net, Range or Scan)  | 18. Next Pin                          |

## Hardware Setup



When first starting Huntron Workstation, select **Options** from the **Tools** menu. The Options window is used to setup default settings used when working in Huntron Workstation.

For this tutorial, the Tracker Model 30 will be referred to in general as "Tracker". The Scanner II and Scanner 31S will be referred to as "Scanners".



Select **Options** from the **Tools** menu. Select the **Hardware** tab and set the type of Tracker hardware that is connected to the PC, the Tracker Port (USB) and Scanner (if connected; Scanner II users should also select the number of Scanners connected in the "Scanners" drop menu). Disregard the Prober settings on the right side of the window.

Click the **Connect** button to initiate communication with the selected hardware. Once connected, click the **Save (Permanent)** button to save this configuration as the startup default.

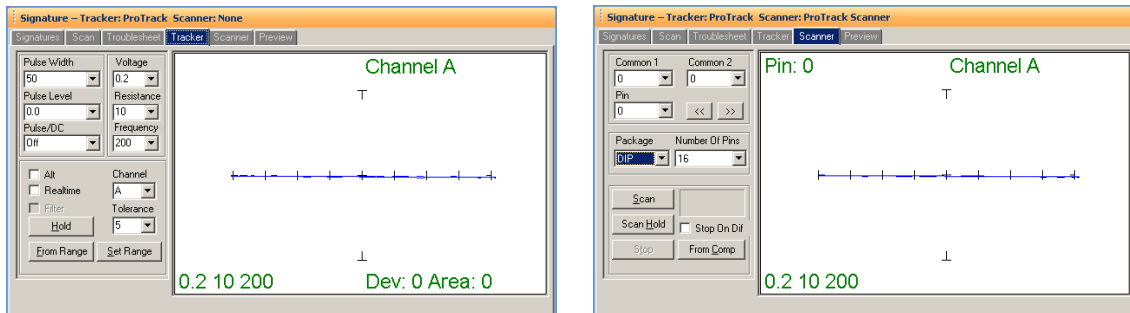
## Using a Tracker Model 30

The Tracker Model 30 comes from the Factory calibrated for standalone use. If the Tracker Model 30 is connected to a Prober, Scanner or other cabling, calibration must be performed.

- Select **Tools/Maintenance/Tracker Model 30 Diagnostics** from the menu.

Click the **Calibrate** button the Tracker Model 30 Diagnostics window. When the Calibrate procedure finishes (about 10 minutes), run Verify Calibration. This also takes about 10 minutes to complete. The Calibration information is stored in the Tracker Model 30 and will be used by the software. If changes are made to the cabling or attached instruments, simply run Calibrate and Verify Calibration again.

## Manual Modes – Tracker and Scanner



You may find it useful to manually test some of your components while adjusting the range parameters. The two manual modes, Tracker and Scanner located in the **Signatures** pane, can work together to display the signature of a component pin. Tracker mode sets the range parameters, channel and tolerance. Signatures will be displayed to the right while probing with hand-held probes (select the Real-time check box). The **Hold** button will capture and hold the current signature allowing for quick comparisons.

Scanner mode allows you to use a Huntron Scanner to interface to the component pins. You can set the package type, number of pins and common pins. The **Scan** button starts a hands free scan of the component through the scanner cable interface or you manually increment the pins with the << and >> buttons. The **Hold** button will capture and hold the current signature allowing for quick comparisons. Manual modes are for real time display only and does not allow for permanent signature storage. To store signatures you will need to create a **Board Test**.

## Creating a Board Test

There are a number of steps necessary to creating a board test.

## Huntron Workstation Test Layout (Tree)

**Board** (creates an Access .mdb file)



**Sequence** (test set of components)



**Component or NET** (name; e.g. U1, CR7, A0, +5V)



**Pins** (name, channel, etc.)



**Ranges** (range settings; voltage, resistance, frequency)



Example of Board Test Information:

Board Name: Main Board (creates "main board.mdb" file)

Revision: Rev. A (This field is optional)

Sequence: IC's

Component: U27 (component name) or A2 (NET name)

Pins: per pin settings for Scan Pin setting, channel, net name, etc...

Ranges: Per pin settings for common reference pin, tolerance, etc...

The user has total discretion as to the information input into these fields. There is no "right" way as to what information is entered as every user's situation will be different.

The above example is just one way the information might be entered.

Entering information into the Entry windows is very straight forward. The easiest way to move from field to field is by pressing the **TAB** key. You can also use the mouse to click into a particular field so you can enter information.

## Test Building Procedures

- Create Test Database in the Tree Pane
  - o Add Board, Sequence, and Components before teaching or scanning
- Scan Components and Set References (Tracker only or Tracker/Scanner users)

Listed above is a general outline on how you would proceed when preparing to test a board. These guidelines apply to all package types and boards. As with any type of complex test equipment, practice makes perfect so take the time to learn and practice these procedures.

## Creating a Board Database

The screenshot shows the "Add New Board" dialog box. It includes fields for Name, Revision, System, Unit, Manufacturer, Gold Disk Number, Unit of Measure, and Data Source. Below these are buttons for loading files and images. The "Top" tab is active, showing fields for Top Name, Top Image Right X, Top Image Back Y, Top Image Pixel Size X, and Top Image Pixel Size Y, along with a large image area. An "Instructions" section is at the bottom, and standard "OK", "Cancel", "Buttons...", and "Help" buttons are at the very bottom.

To create a new Board, select **New** from the File menu or use the New button in the toolbar. Input information into the "Add New Board" dialog as needed. The only field that is required is board **Name**. Other fields such as Revision, System, Unit, Manufacturer and Gold Disk Number can be completed with related information if desired.



## Adding a New Sequence

To add a new Sequence, select the **Sequence** tab in the Tree pane. Select **Add New Sequence** from the Edit menu or click the Add New button (+) in the toolbar.

Details:

**Sequence Name** Field: Enter Sequence name

**Compare Priority:** Selects the comparison priority between **Same** (serial number), **All** (serial numbers; this is the recommended setting) or **Min/Max** (Merged min/max signatures)

**Previous/Next** buttons: Steps through existing Sequences backward or forward.

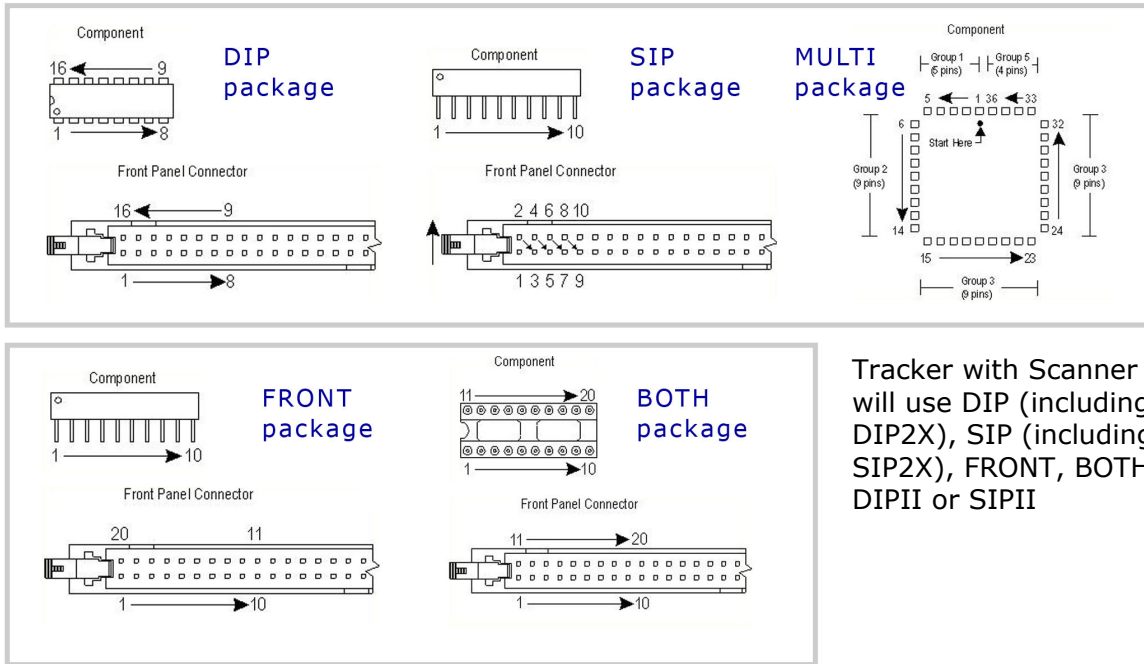
**Instructions field:** Enter any instructions or system information that you wish to pass on to future users. Note: the **ENTER** key in this field will work as a carriage return.

The **Add New, Repeat and Build** buttons will allow for another new Sequence to be created saving the current one.

The **Delete** button will erase the selected Sequence.

Other functions within this window can be read about by clicking the **HELP** button.

## Component Package Types



Tracker with Scanner users will use DIP (including DIP2X), SIP (including SIP2X), FRONT, BOTH, DIPII or SIPII

For Tracker with Scanner users, the package type determines how the Scanner pins are counted. The available Scanner packages are **DIP**, **SIP**, **Both**, **Front**, **SIP2X** (combines the A and B channels for 128 pins) and **DIP2X** (combines the A and B channels for 128 pins). Users of the multiple Scanner II accessories have a **DIPII** and **SIPII** package available allowing them to daisy-chain Scanners together to achieve up to 1024 pins.

## Adding a New Component

To add a new Component, select the **Component** tab in the Tree pane. Select **Add New Component** from the Edit menu or click Add New button (+) in the toolbar.

Details:

**Component Name** field: Enter the component name (reference designator) in this field.

**Package** and **Number of Pins** fields: Using the mouse, click on the down arrow to the right of the field to bring up the pull-down menu. Select the package type and number of pins from these menus.

**Type** field: This information is optional but you can enter the component type in this field.

**Connection Type**: Select the type of hardware used to interface to the component. Select **Probes** if manual probes will be used or **Scanner** if a Scanner II or Scanner 31S will be used.

**Instructions** field: Enter any instructions or component information that you wish to pass on to future users.

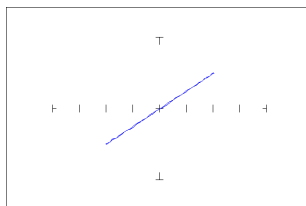
Other functions within this window can be read about by clicking the HELP button.

## Adding a New Range

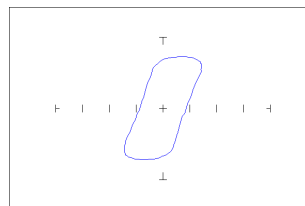
When a new component is added to a Sequence the ranges used are set by the defaults set up in the **Tools/Options/Ranges** tab. On a new software installation these defaults set two ranges – **3V, 100ohms at 200Hz** and **3V, 10Kohms at 200Hz**. In general use, these two ranges will work well but you may need to add or modify ranges based on component type and value. As a general reference, the table below can be used to assist you in setting ranges.

| Range<br>Impedance↓ | Voltage><br>200mV  | 3V                                      | 6V                  | 10V -15V                                     | 20V                                   |
|---------------------|--|---|---------------------|--|---------------------------------------|
| 10Ω - 100Ω          | continuity,<br>shorts, caps,<br>resistors &<br>inductors | low<br>impedance<br>components          | newer MOS<br>ICs    | power supply<br>& regulators                 |                                       |
| 1KΩ - 10KΩ          | resistive<br>faults                                      | latest MOS &<br>surface<br>mount<br>ICs | newer MOS<br>ICs    | older MOS ICs                                |                                       |
| 20KΩ                | resistive<br>faults                                      | resistive<br>faults                     | older MOS<br>ICs    | TTL 74XXX &<br>74LSXXX ICs,<br>older MOS Ics | TTL 74XXX<br>ICs, power<br>transistor |
| 100KΩ               | resistive<br>faults                                      | resistive<br>faults                     | resistive<br>faults | resistive faults                             | Hi resistance&<br>Hi power            |

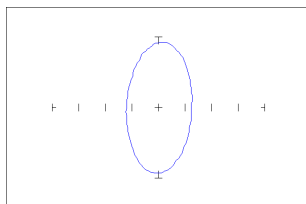
The Tracker signatures are shaped based on the Tracker range settings. The basic goal is to achieve signatures that are halfway between open and short. The signatures for the four basic types of components shown below illustrate this primary goal.



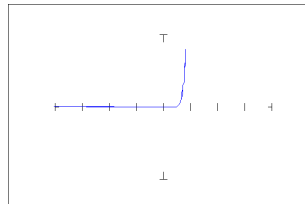
Resistance



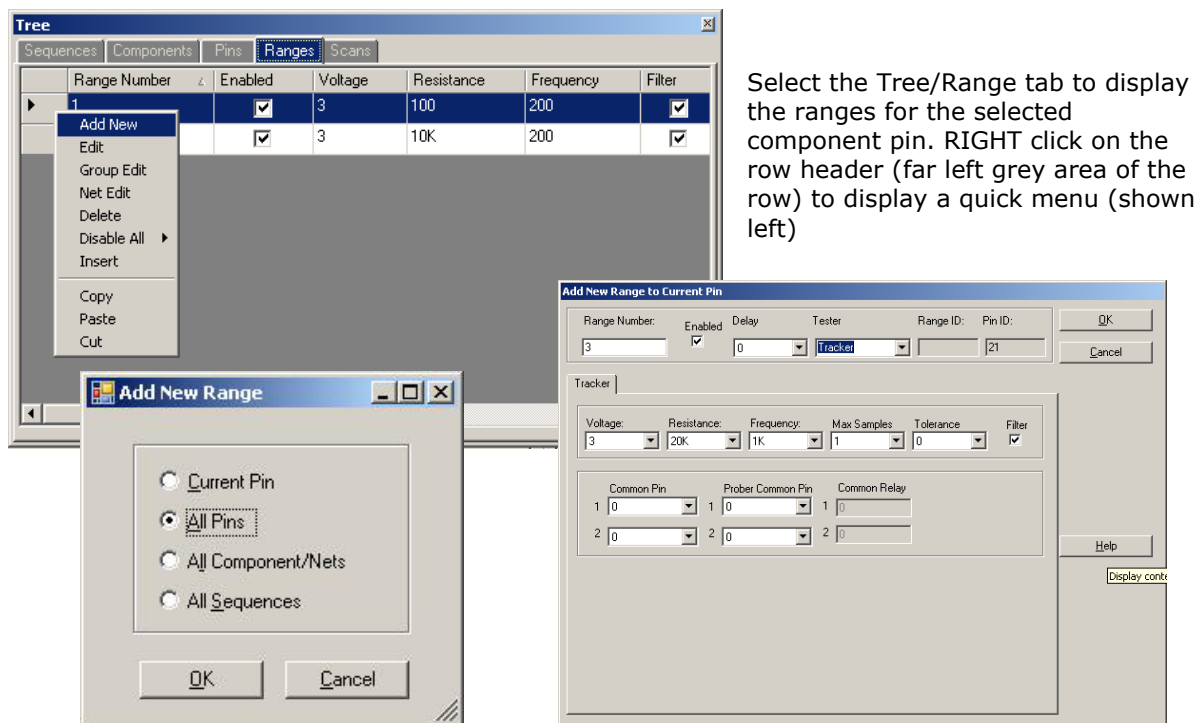
Inductance



Capacitance



Semi-conductance



To add a new Range, select the Range tab in the Tree pane. Select **Add New Range** from the Edit menu or click the Add New button (+) in the toolbar. A pop-up dialog will ask where you want the new range to be added. Select the desired radio button (**All Pins** is generally the desired selection) and click **OK**.

Add New Range Details:

Note: **Voltage/Resistance/Frequency** can be modified directly in the Range grid.

**Voltage/Resistance/Frequency fields:** Select the desired range settings

**Max Samples/Tolerance/Delay:** Select the setting to be used when scanning **this range**

**Common Pin:** Select Scanner common pins to be used when scanning **this range**.

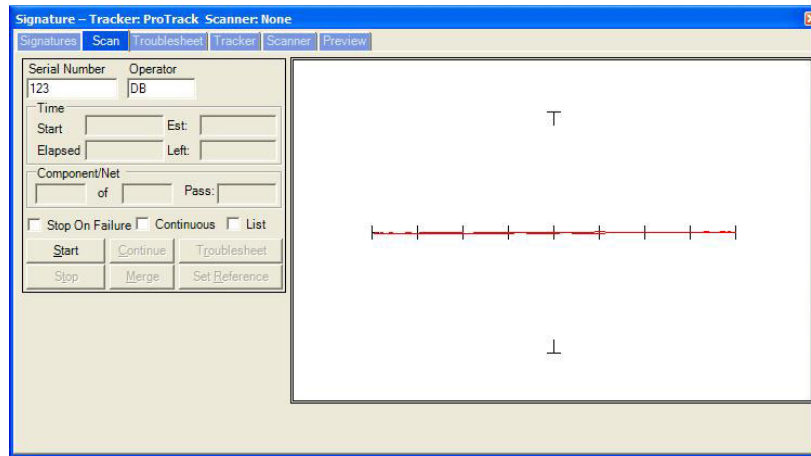
Scanner users wishing to use a particular component pin (i.e. ground pin) for Common should select the Common pin at this time using the **Common Pin 1 field** (the Common Pin 2 field is rarely used).

**Note:** It is easier to set up the ranges used by selecting **Tools/Options/Range** from the Tools menu in the menu bar and pre-configuring the default ranges.

## Scanning with a Tracker or Tracker with Scanner

To scan an entire Sequence, select the Sequence in the Tree/Sequence tab. To scan an individual component, select the component in the Tree/Component tab.

Select the **Scan tab** in the Signatures pane and input a **Serial Number** then click the **Start** button.



You will be prompted to connect to the component. Tracker with Scanner users should connect to the selected component at this time. Click **OK** to initiate the Scan.



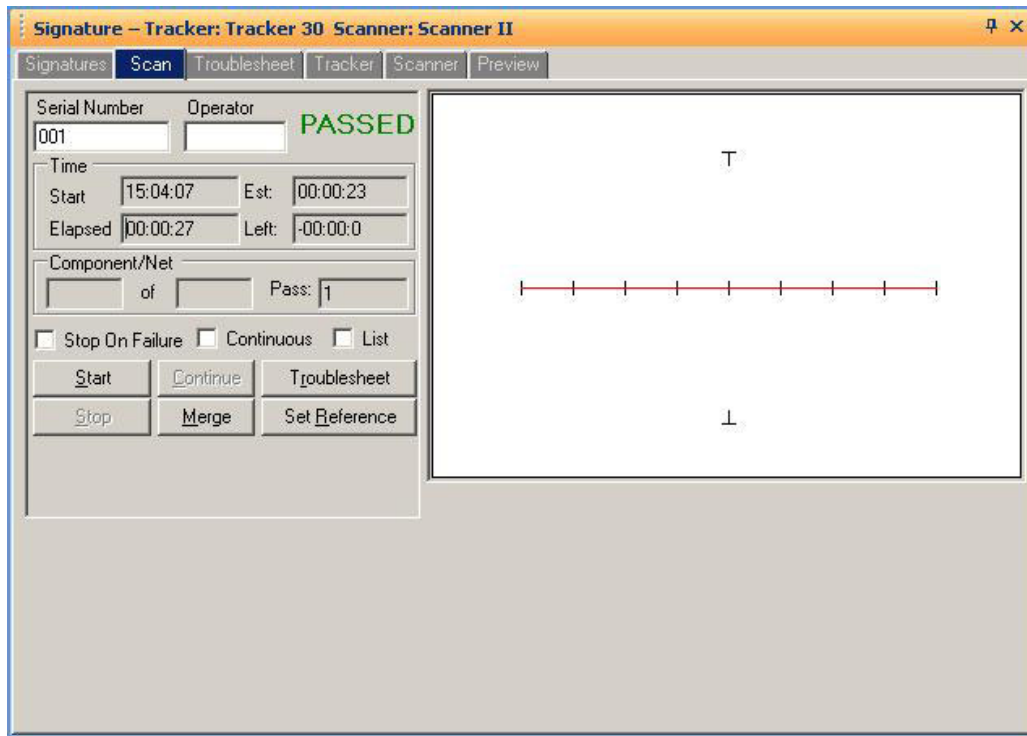
If you are performing Sequence scan you will be prompted to continue to the next component until all of the components in the Sequence have been scanned.

If a Tracker with probes is being used you will be prompted to connect to pin 1 of the selected component (if performing a single component scan) or of the first component in the Sequence (if performing a Sequence scan). Click the **OK** button to scan the first pin. You will then be prompted to move to the next pin for scanning. Click **OK** to scan and continue in this manner until all of the component pins are scanned. At anytime during scanning you can click the **Previous Pin** button to go back and rescan the previous pin.



Once all pins are scanned click the **OK** button to continue. When the Sequence or Component scan is complete the Scan Results window will be displayed. Go to the **Scan Results** section of this tutorial for more information on what to do after scanning.

## Scan Results



When a scan is complete, the results Passed or Failed will be displayed (the text of the results message can be changed in the **Tools/Options/General** settings). The Failed message will be displayed on the first scan of any test since there are no signatures stored as Reference.

To mark a signature set (entire scan) as a Reference, press the **Set Reference** button. This will mark this set of signatures to be used as a known good comparison set when scanning other boards.

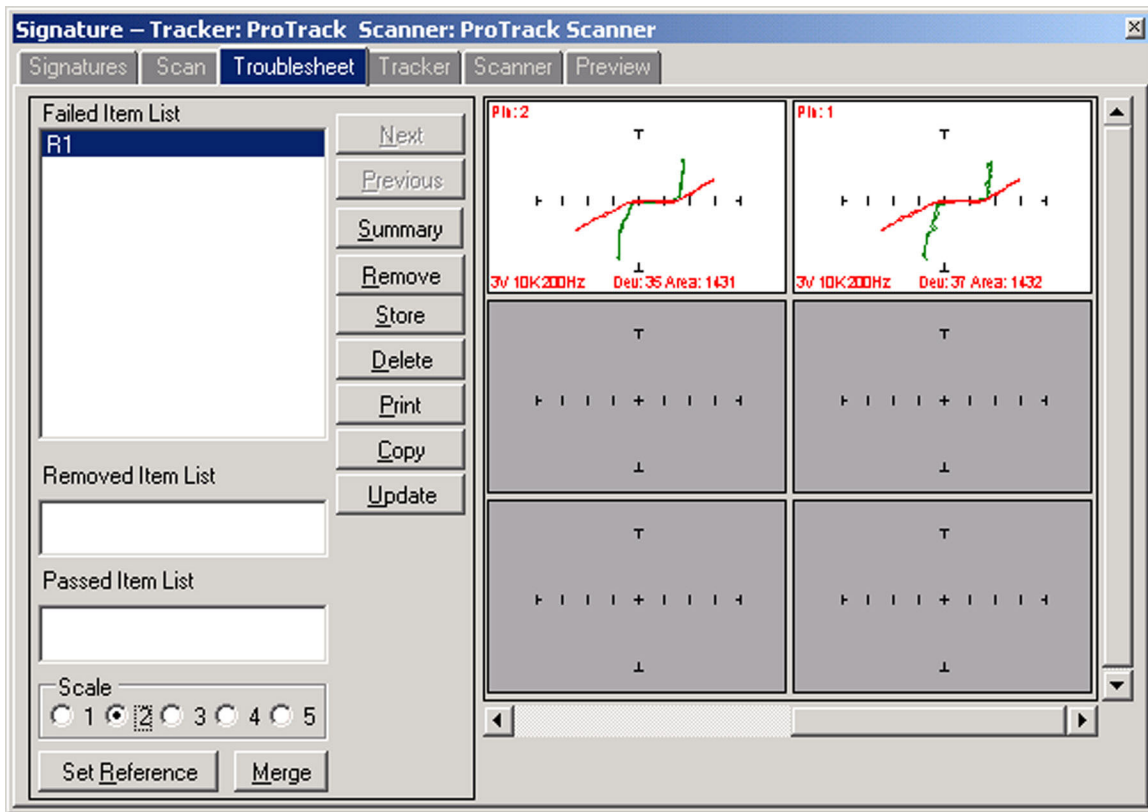
To mark a signature sets a Merged set that can have subsequent signatures added or "merged", press the **Merge** button. Use the Merge function only when potential differences between Merged signature sets are very small.

Clicking the **Troubleshoot** button will display the signature differences in the Troubleshoot tab of the Signature pane.

**Note:** Selecting the **Troubleshoot tab** may display previous Troubleshoot information.



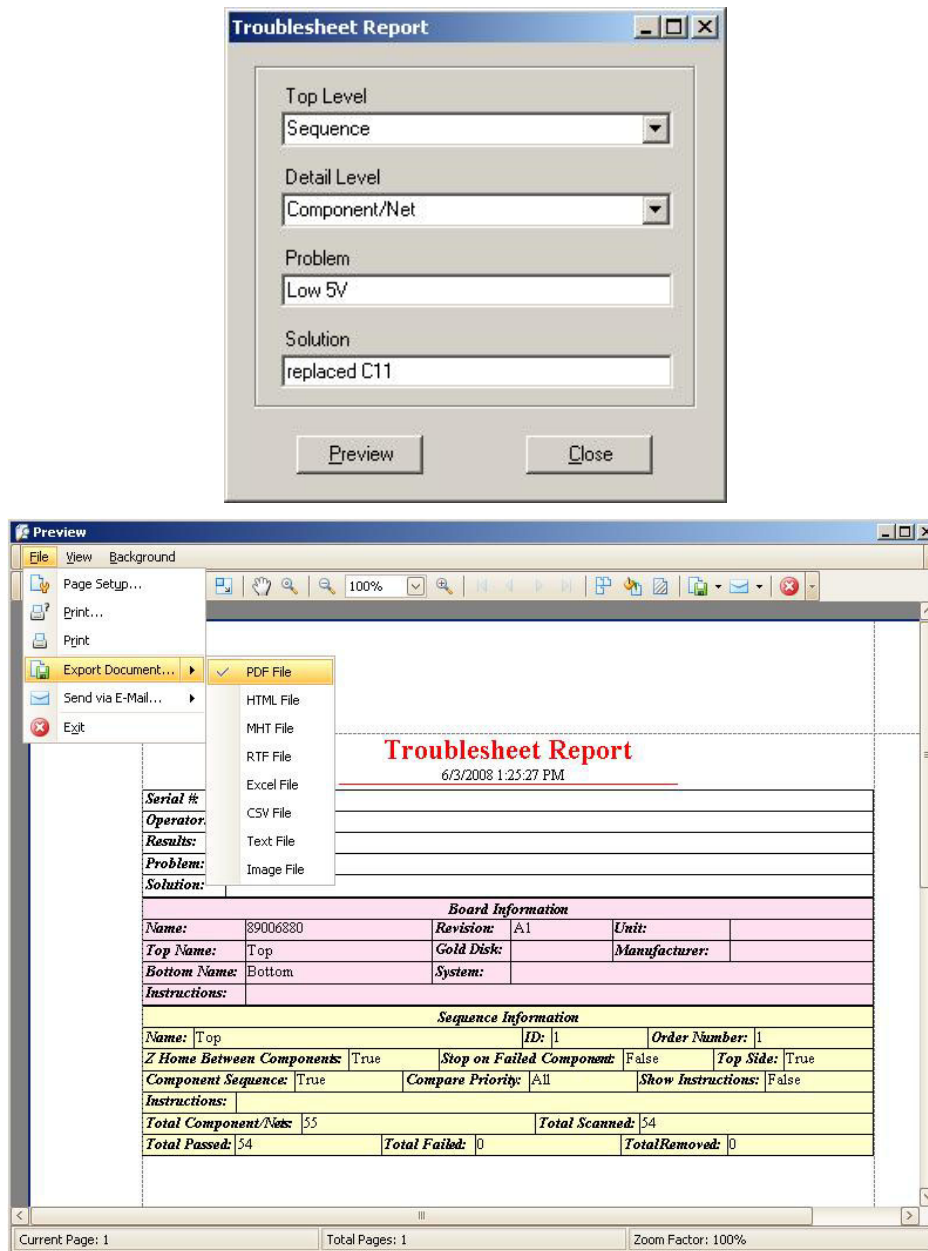
## Viewing Signatures – Troubleshoot



To view the Troubleshoot, press the **Troubleshoot** button in the Scan Results window. This will display the signatures that compare differently from the Reference signatures. When a scan is executed signatures are compared against the Reference set (or sets) if it exists. On the first scan, the signatures will be displayed in red with a FAILED indication. This occurs because the first scan has no reference to compare against. To add the signatures in the Troubleshoot as a Reference, press the **Set Reference** button (do this only with known good signatures). Signatures of the compared signatures are displayed in contrasting colors. By default, the Reference signature is green and the failed signature is red.

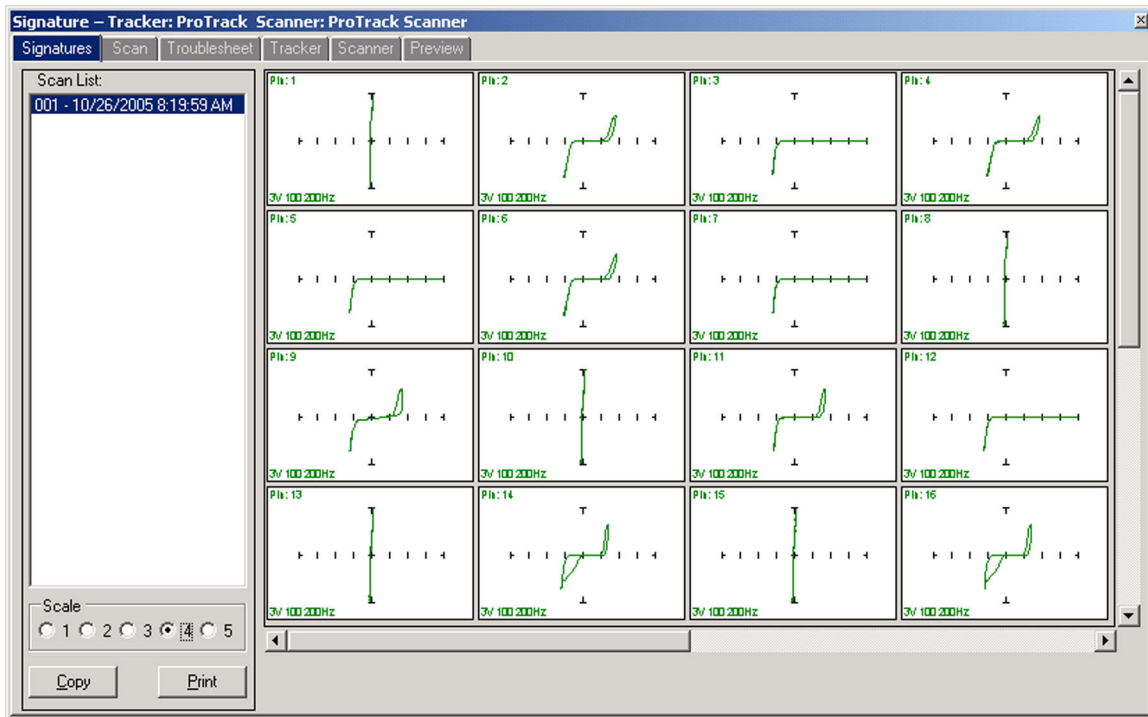
To add the Troubleshoot signatures to the Merge signature set, press the **Merge** button (do this only with known good signatures that vary slightly from the original Merge signature set).

## Viewing Signatures Troubleshoot Report



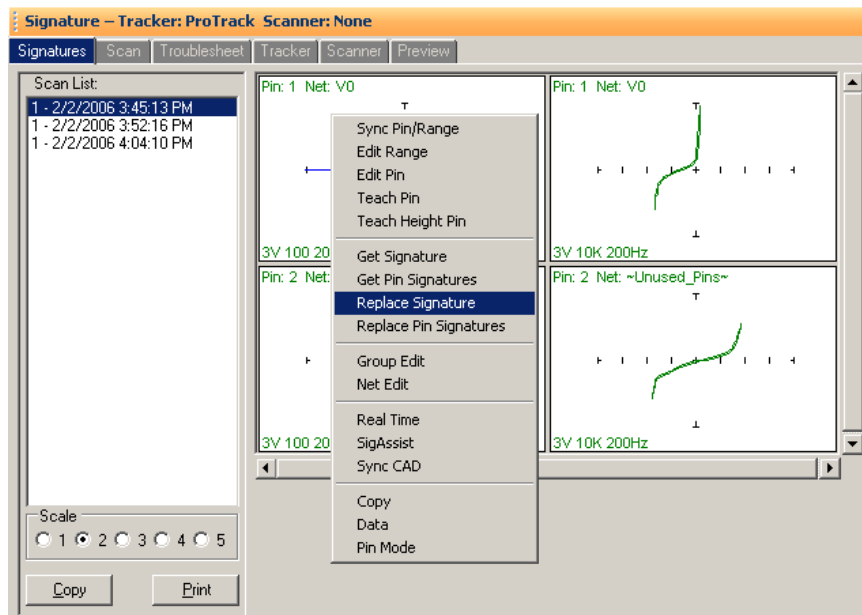
To view and print the Troubleshoot report, press the **Print** button in the Troubleshoot window. You can select from several options including a Sequence or Component Level report, the level of detail and add problem and solution comments to the report. Click **Preview** to view the report on-screen. The report can be printed or exported in several different formats including HTML and PDF by selecting **File/Export Document** in the Preview window.

## Viewing Signatures in the Signatures Pane



To view scanned signatures, select the **Signatures** tab in the Signature Pane. The Scan name, date and time will be displayed on the left side of the window and signatures on the right. The **Scale** buttons will change the number of columns displayed. Scaling the window will increase the number of signatures displayed. The **Copy** button will copy the signatures to the Windows clipboard so they can be pasted into another program (in a metafile format). The **Print** button will print the signatures in one of several different user selected formats.

## Viewing Signatures – Right Click



Additional options when viewing signatures can be displayed by right clicking in the signature area.

**Sync Pin/Range:** Selects pin and range in the Tree (see default in Tools/Options)

**Edit Range:** Selects the pin and range in the Tree and opens the Edit Range dialog

**Edit Pin:** Selects the Pin the in the Tree and opens the Edit Pin dialog

**Teach Pin:** Selects the pin the Prober Teach pane

**Teach Height Pin:** Selects the pin the Prober Teach Height pane

**Get Signature:** Capture signature

**Get Pin Signatures:** Captures signature for all ranges – works only in Range Mode

**Replace:** Replaces the stored signature with the current signature displayed for the selected pin, range and scan (shown in the Scan List to the left)

**Replace Pin Signatures:** Replaces the stored signatures with the current signatures displayed for the selected pin, all ranges and scan – works only in Range Mode

**Group Edit:** Opens Group Edit dialog for editing of component pin parameters as a group

**Net Edit:** Opens Net Edit dialog for editing of Net pin parameters as a group

**Real Time:** Display signature in real time

**SigAssist:** Displays the SigAssist window showing calculated approximate values of resistance, capacitance, breakdown voltage, etc. based on signature information

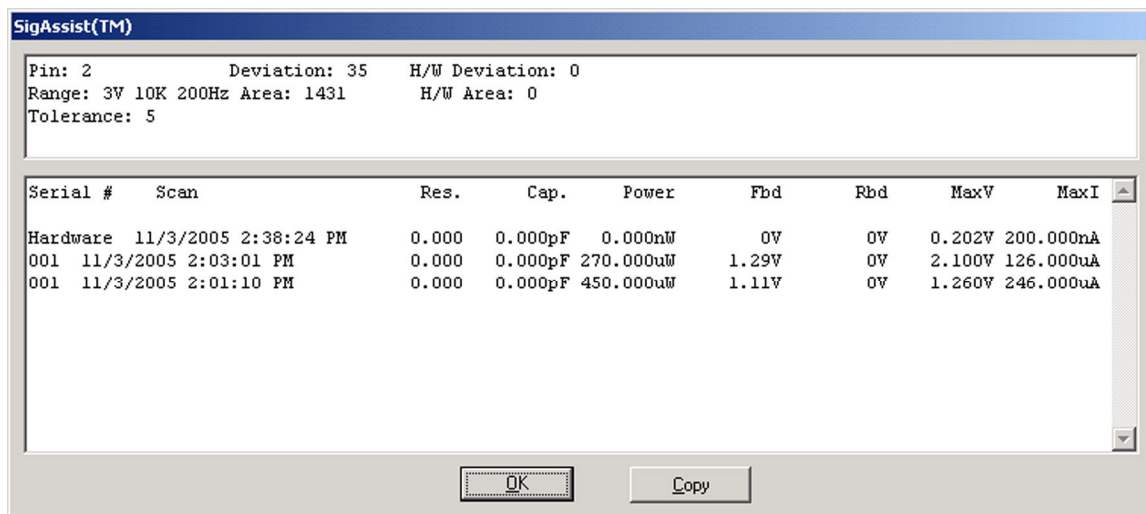
**Sync CAD:** Will link the selected signature to the CAD image displayed in the Image/CAD pane. **Sync CAD** will be disabled if there is no linked CAD data.

**Copy:** Places the signature image in the clipboard

**Data:** Displays the signatures numeric data

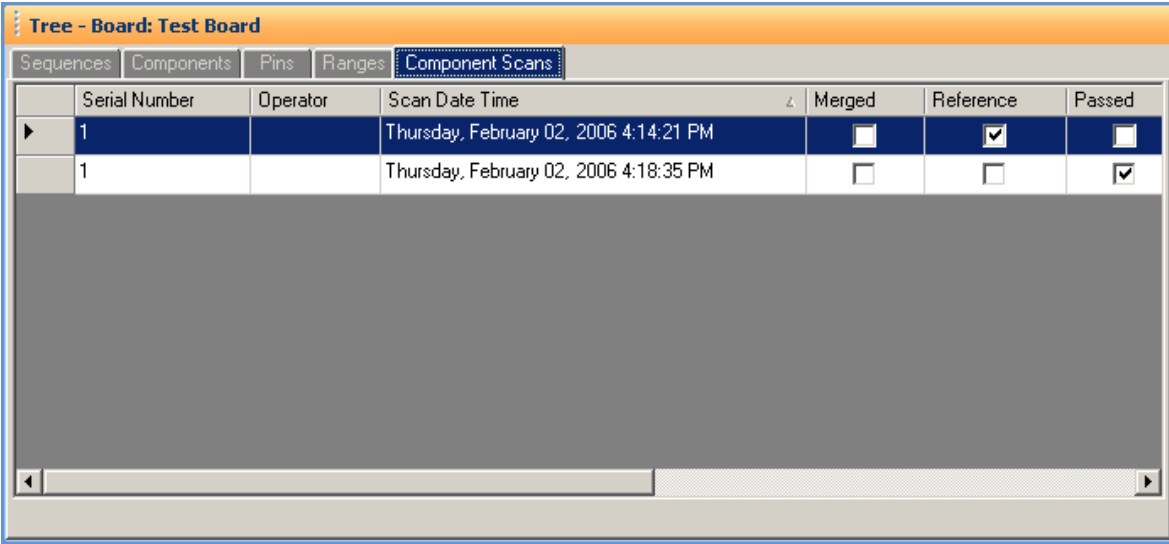
**Range/Pin Mode:** Displays signature with Range priority or Pin priority see (default in Tools/Options/Signature tab).

## View SigAssist Information



The SigAssist window can be viewed by right-clicking on a displayed signature and selecting SigAssist. It appears as an additional pop-up window. The information presented relates to the individual scans displayed in the signature. The calculated resistance, capacitance, power, forward breakdown voltage (Fbd), reverse breakdown voltage (Rbd), maximum voltage and maximum current are displayed. These values are for troubleshooting purposes only and are not intended to be used as true measurements. The accuracy of the SigAssist values depends greatly on the scanned signature information. SigAssist values may not be calculated for signatures that do not contain enough information for reasonable calculations to take place (i.e. opens, shorts). The Copy button will put a copy of the window into the clipboard for use in other programs.

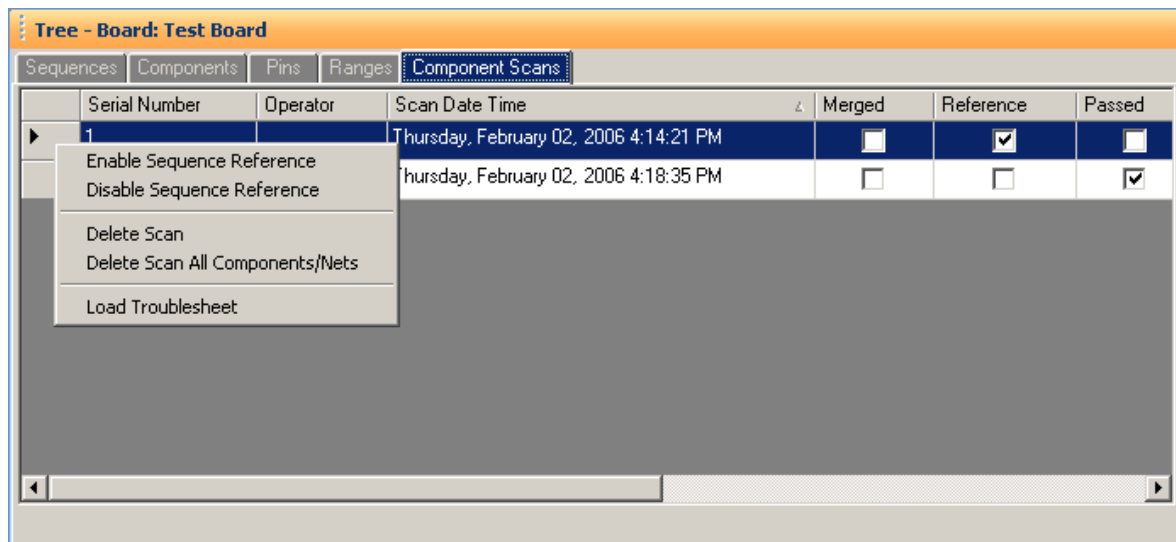
## Component Scans Information



| Tree - Board: Test Board |               |          |  |                          |                                     |                                     |
|--------------------------|---------------|----------|--|--------------------------|-------------------------------------|-------------------------------------|
| Sequences                | Components    | Pins     | Ranges                                 | Component Scans          |                                     |                                     |
|                          | Serial Number | Operator | Scan Date Time                         | Merged                   | Reference                           | Passed                              |
| ▶                        | 1             |          | Thursday, February 02, 2006 4:14:21 PM | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
|                          | 1             |          | Thursday, February 02, 2006 4:18:35 PM | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

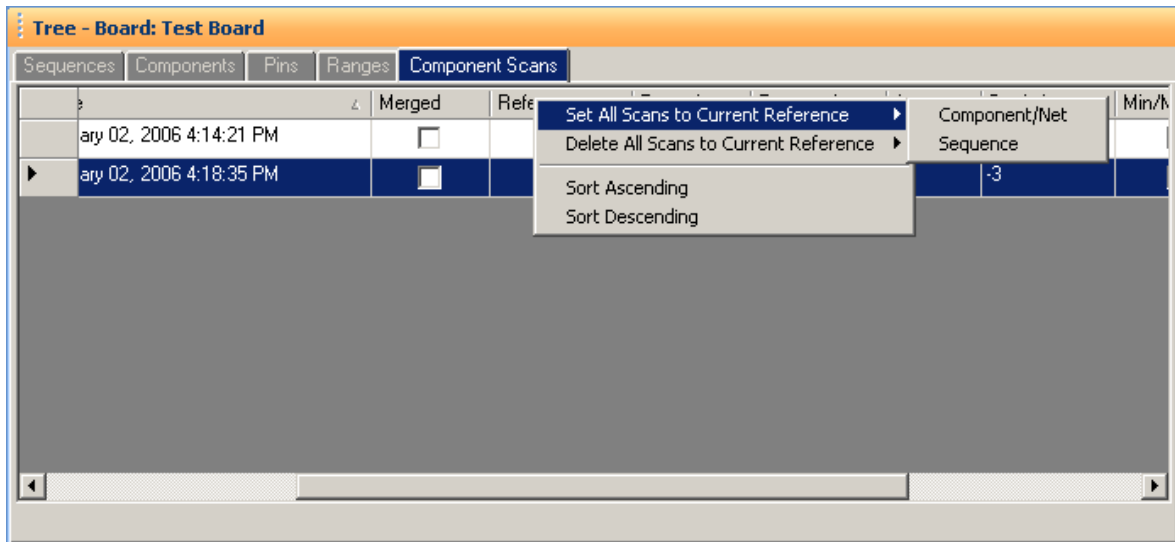
Selecting the **Component Scans** tab in the Tree Pane will display all of the scans performed on the selected component in a table format. The Scan information displayed includes the serial number, operator, date/time, Merge setting (checked if this scan is included in the Merge set), Reference setting (checked indicates it is set as a comparison Reference), Pass status (will be checked if components passed comparison), Removed status (will be checked if component was removed from Troubleshoot), Area number (highest of scanned pins), Deviation, Min/Max status and other settings (see Help for more information).

## Component Scans – Right Clicking (Auxiliary menus)



Right clicking on the Row bar of the Component Scans tab displays an additional menu for performing specific tasks such as enabling/disabling References, deleting a scan for the selected components or all components and loading a Troubleshooting. **Enable Sequence Reference** will mark the scan as a Reference for the entire Sequence. **Disable Sequence Scan** will disable the selected Sequence as a reference. **Delete Scan** will erase the selected scan for the current component only. **Delete Scan All Components/Nets** will erase the selected scan for all components or nets in the Sequence. **Load Troubleshooting** will display the selected scan in the Signatures/Troubleshooting pane.

## Component Scans – Right Clicking (Auxiliary menus)

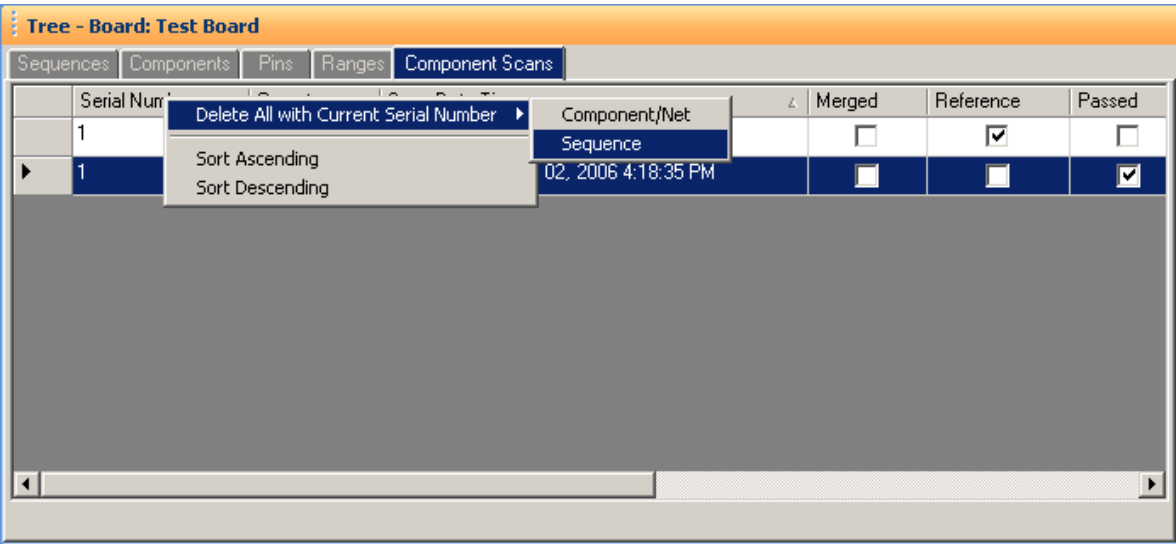


Right clicking on the Column bar of the Component Scans pane displays an additional menu for performing specific tasks such as sorting or globally setting parameters. The menu will vary depending on the column selected. In the image above, the Reference column header was right-clicked.

This method is the easiest way to delete non-reference scans that are listed in the Tree/Component Scans pane. Select a scan that is a non-reference (the Reference check box is unchecked) the right-click the column as shown above. Select **Delete All Scans to Current Reference/Component/Net** or **Sequence** to delete the non-reference scans for the individual Component/Net or for the entire Sequence.

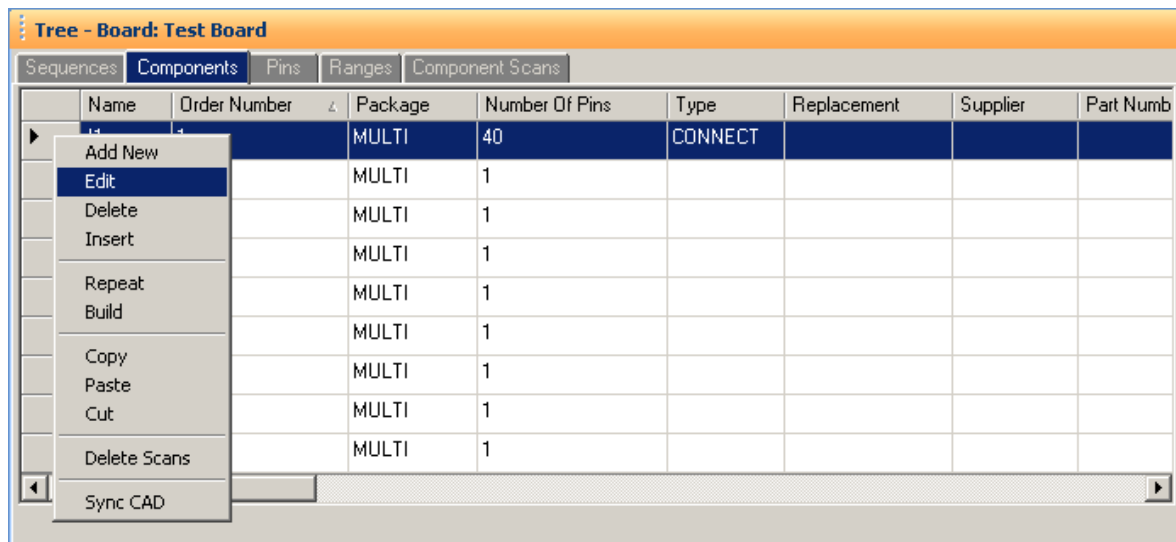


**Component Scans – Right Clicking (Auxiliary menus)**



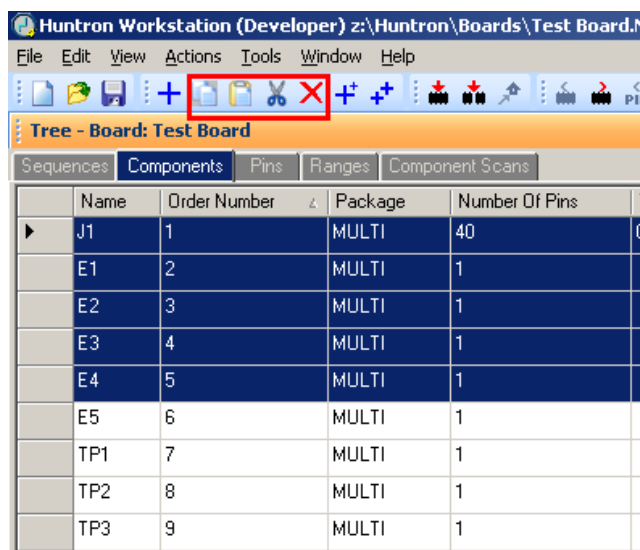
Right clicking on the Column bar of the Scans pane displays an additional menu for performing specific tasks such as sorting or globally deleting items. In the image above, the Serial Number column header was right-clicked.

## Sequence/Component/Pin Editing – Right Click menus

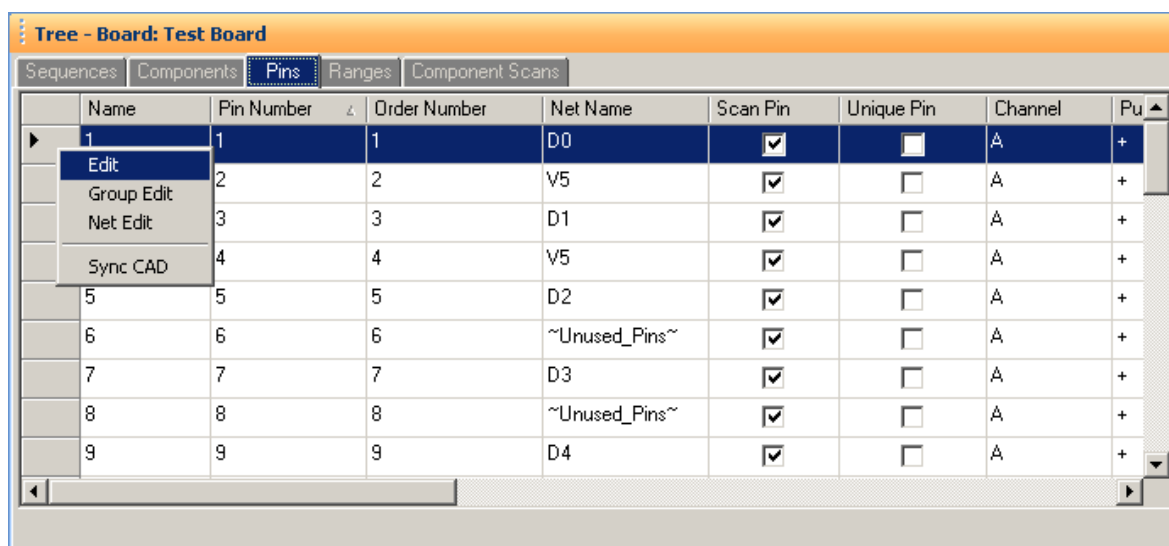


Right clicking on the Row header bar of the Tree pane displays an additional menu for performing specific tasks such as **Add New**, **Insert**, **Delete**, **Repeat**, **Build** (repeat but with name incremented by 1), **Copy**, **Paste** and **Cut**. Right clicking works at all levels of the Tree pane including Sequence, Component (shown above), Pins, Ranges and Scans.

It is also possible to select groups of components by holding the **SHIFT** or **CTRL** keys while selecting components in the Tree. To copy, paste, cut or delete groups of components, use the Copy, Paste, Cut or Delete Toolbar buttons below the main menu.



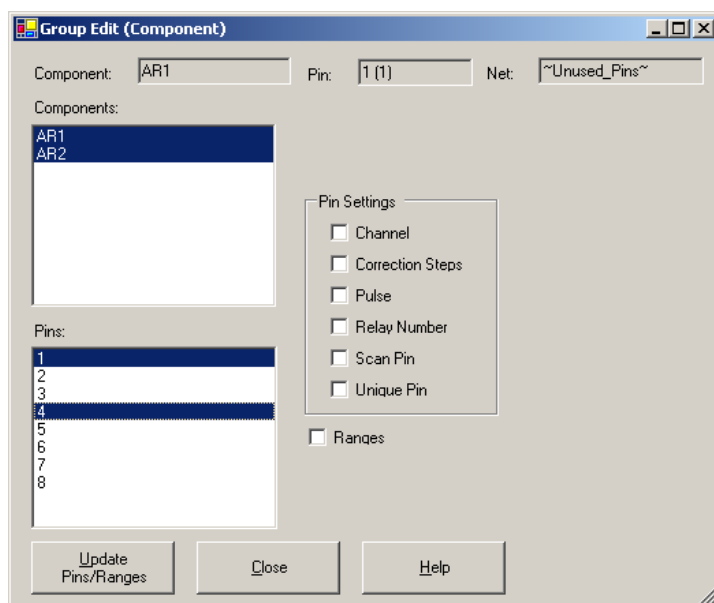
## Pin Editing – Right Clicking (Auxiliary menus)



Right clicking on the Row header bar of the Tree/Pins pane allows for editing of the pin information. Select **Edit** to open the Edit window for the selected pin.

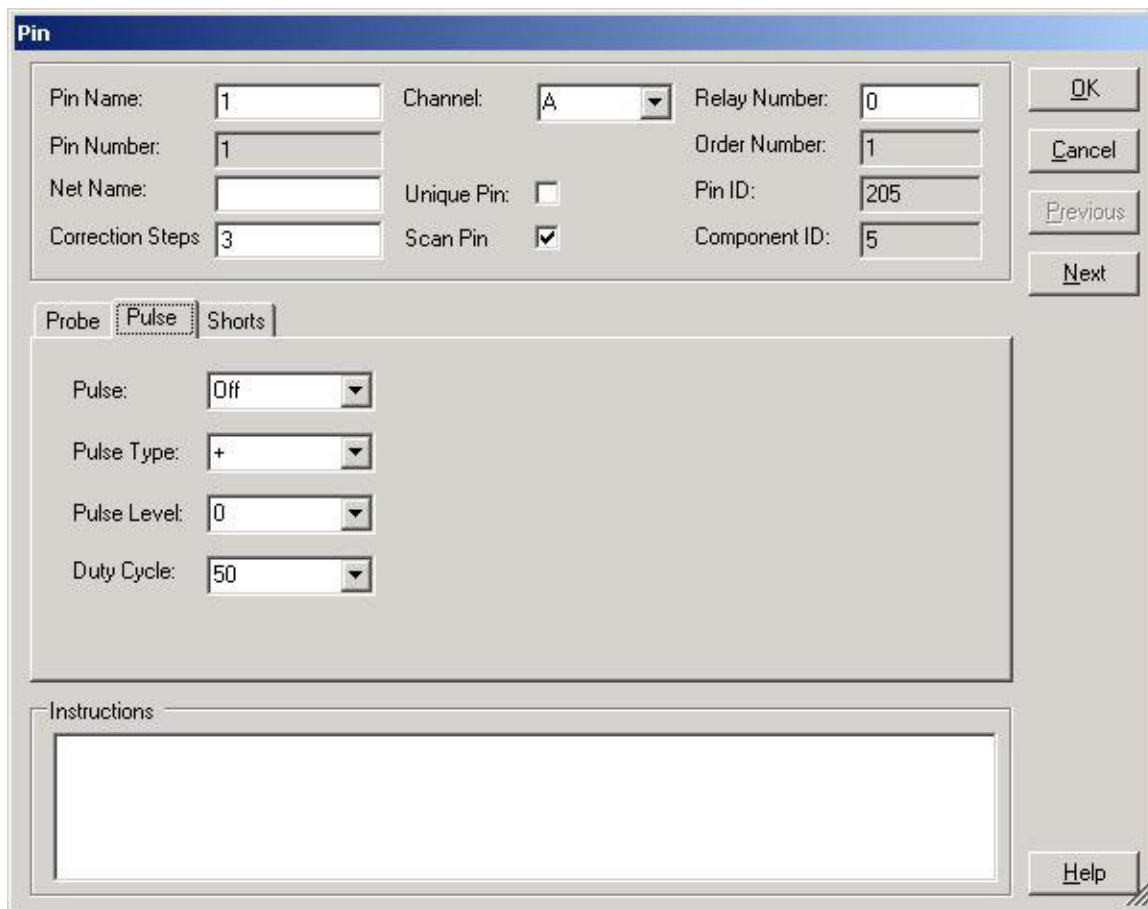
Note: Some Pin settings can also be edited directly in the Pins grid by clicking the appropriate field and modifying the setting.

**Group Edit** and **Net Edit** allow you make changes to the pin of a component and have those modifications also change components that have the same number of pins within the same Sequence.



Change the desired settings for the current Pin first then select Group Edit from the right-click menu (see above). Components with the same number of pins will be listed. Select the components and pins you want to be changed. Select the Pin Settings check box(s) for the setting(s) you want changed. Check the Ranges box to match the ranges (this will cause signatures to be deleted). Click the **Update Pins/Ranges** button to make the changes.

## Pin Editing



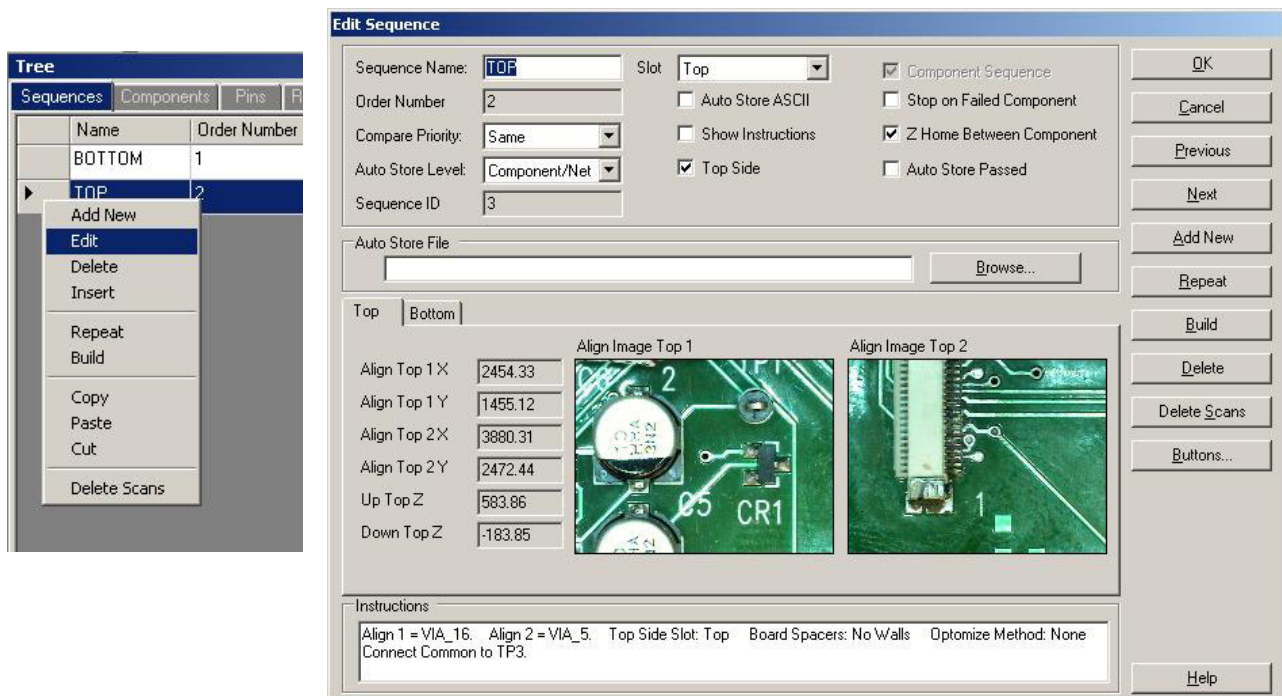
The screenshot shows a software window titled "Pin" with a blue header bar. The window is divided into several sections. At the top, there are input fields for "Pin Name" (containing "1"), "Pin Number" (containing "1"), "Net Name" (empty), "Correction Steps" (containing "3"), "Channel" (a dropdown menu showing "A"), "Unique Pin" (an unchecked checkbox), "Scan Pin" (a checked checkbox), "Relay Number" (containing "0"), "Order Number" (containing "1"), "Pin ID" (containing "205"), and "Component ID" (containing "5"). To the right of these fields are four buttons: "OK", "Cancel", "Previous", and "Next". Below this section are three tabs: "Probe", "Pulse" (which is selected and highlighted with a dotted border), and "Shorts". Under the "Pulse" tab, there are four dropdown menus: "Pulse" (set to "Off"), "Pulse Type" (set to "+"), "Pulse Level" (set to "0"), and "Duty Cycle" (set to "50"). At the bottom of the window is a large text area labeled "Instructions" which is currently empty. In the bottom right corner, there is a "Help" button.

Individual pin characteristics can be edited in the Pin Edit window. **Net name**, **Channel**, **Correction steps** (for Access Probers) and **Scan Pin** (enable/disable scanning of the pin) can be controlled.

## Huntron Workstation Buttons Feature

Huntron Workstation has a built-in feature that allows any Windows based program to be started by clicking a button in the Workstation toolbar. It is very easy to use and a "Button" can be attached to any Board, Sequence or Component/Net. In this example, a Button will be created for a Sequence but the process is the same for the Board and Component/Net levels.

To start, the Sequence edit window is opened by right-clicking the row header for the desired sequence. The Edit window will be displayed (see below).



Select the **Buttons...** button located on the right side of the Sequence Edit window to open the Buttons Setup window.

**Button Setup**

Order Number: 1      Button Level: Sequence

Enabled: ☒      Parent ID: 3

Caption:      Button ID:

Command Line:      Browse...

File Path:      Browse...

Icon File Path:      Browse...

Tooltip:

Store File in Database: ☐ Store File      Load File...

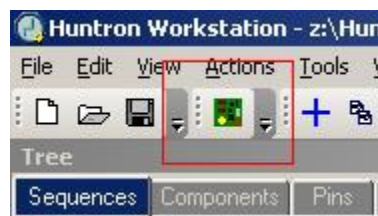
Store Icon in Database: ☐ Store Icon      Load File...

Previous    Next    Add New    OK    Cancel    Help

To configure the Button, a Caption (button name displayed in the Tools menu), Command Line (the application to be run) and File Path (the file opened by the executed application) need to be input into the corresponding fields. A File path will not always be required such as instances where a browser is started and pointed to a specific URL. In this example, the button will be configured to start the Microsoft Paint application and open a small PCB image (see image below). If desired, the icon displayed in the main window toolbar can be set by browsing to and setting a path to an .ICO (icon) file in the **Icon File Path** field. Add text that will be displayed when the cursor is placed over the Button in **Tooltip** field. To make the linked file or icon stored as part of the Board database, check the **Store File** and/or **Store Icon** checkboxes.

Click **OK** to accept the Button. To create additional Buttons, repeat this process and click the **Add New** button in the Button Setup window.

When Buttons are created, an additional toolbar will appear below the Huntron Workstation menu. This toolbar will change according to the level (board, sequence or component/net) selected.



The icon shown can be replaced by selecting an appropriate icon in the Button Setup window (the default icon is shown). Click the toolbar button to execute the Button.

## **Technical Support**

For questions or assistance in using Huntron Workstation, contact Huntron at 800-426-9265, 425-743-3171 or email [info@huntron.com](mailto:info@huntron.com).

There is online assistance for Huntron Workstation at [www.huntron.com/support/workstation.htm](http://www.huntron.com/support/workstation.htm). This page will contains software updates, a form for reporting software issues and updates to documentation such as this tutorial.