

Absolute Component Rotation

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This document contains information about the Absolute Component Rotation utility, or Rotabs. This document is formatted so that it is suitable for both viewing on your screen and printing hardcopies. To print this document, run the File Print command while the document is loaded in Microsoft Word or WordPad.

Contents

1.0 Introduction to Rotabs

- 1.1 Overview
- 1.2 Installation

2.0 Running the Rotabs program

1.0 Introduction to Rotabs

1.1 Overview

This application is provided to simulate the P-CAD Master Designer Rotate|Component command. That is, it will rotate a component, or group of components, to a user specified angle with respect to its original library orientation.

1.2 Installation

1. Copy VB40032.DLL to your Windows directory.
2. Copy DBX32.DLL to your Windows directory.
3. Copy ROTABS.EXE to your \P-CAD 2004\UTILS directory.

You can create a program Icon or add this program to a Launch Bar, such as provided with MS Office.

2.0 Running the Rotabs Program

- 1 With P-CAD PCB running and a PCB file loaded, select the component or components to be rotated.
- 2 Run ROTABS.EXE
The application will display the Reference Designators of all selected components.
If all selected components are currently at the same rotation, that angle will be displayed in the Rotation Angle text box. If they are not all the same, this field will be blank.
- 3 Type the new desired angle into the Rotation Angle text box. Acceptable range

is -360 to 360 degrees at 0.1 degree accuracy.

- 4 Click on the Apply button.
All selected components will be rotated to the specified angle.

While ROTABS.EXE is still running, you may select other components to be rotated.

- 1 Select one or more components in P-CAD PCB.
- 2 Click on the Get Component(s) button in ROTABS
The reference designators of the newly selected components now be displayed,
along with the angle of rotation if they are all the same.
- 3 Type the new desired angle into the Rotation Angle text box.
- 4 Click on the Apply button.
All selected components will be rotated to the specified angle.

Click on the Exit button to close ROTABS.EXE