



## Course Number E7255A, Opt. 001 Scheduled

### Agilent 5DX Test Development Training—Gerber Link

#### Overview

#### Basic users training course for the 5DX with Gerber link training

##### Course Overview

Gain an understanding of how the Agilent Technologies 5DX automated process test system measures solder joint features and uses this data to detect defects, and how this data can be used for process control. Learn how to convert Gerber data into the Neutral Data File format needed by the 5DX with a full day dedicated to Gerber Link. Also learn how to prepare NDF files for compilation, create and edit machine control files, transfer the program from the TDS to the 5DX, and use the Component Library to reduce programming time on future products.

##### What You Will Learn

- How to use GraphiCode's Gerber Link (also known as GC-Place)
- Graphical Work Environment
- Recognizing which aspects of the CAD data can be used to build the Neutral Data Files used by 5DX
- Tools: Drill Rack Editor, Graphical Viewer/Editor, Photoplotters
- Selecting data files to load including: HPGL, NC, and CAD-XY
- Processing the selected CAD files into the Neutral Data Files needed by the 5DX

##### Specifications

###### Course Type

User/Application training

##### Audience

This is for people who will use or who want to know more about the use of Gerber Link to convert their CAD data into the Neutral Data Files needed on the 5DX.

##### Prerequisites

Knowledge of personal computers, Windows NT 4.0, DOS, and CAD files

*E7255A Opt. 001 class includes both GraphiCode's Gerber Link training and 5DX Test Development Training. Gerber Link training only, contact GraphiCode directly.*

*Complete description of the 5DX Test Development Training class, see the E7255A Technical Data Sheet.*

##### Course Length

9 days

##### Course Format

Classroom presentation with extensive individual and group exercises on TDWs

##### Delivery Method

*Scheduled* (at Agilent training locations)

**Note:** *E7255A is an eight day version of this class. The class without Option 001 excludes the one day Gerber Link training. See the Technical Data Sheet for E7255A for details about 5DX Test Development Training. Please enroll in either E7255A or E7255A Opt. 001.*



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## Detailed Course Agenda

### Gerber Link only (Day 9)

- Who is GraphiCode
- What is GC-Place/GerberLink
- Required input data
- Getting the data you need/prerequisites for getting started
- Graphical Work Environment
- Layer List
- Aperture Lists
- Drill Racks
- Drill Rack Editor
- Graphical Viewer/Editor
- The major process steps in creating an Assembly File
- Selecting data files to load including: HPGL, NC and CAD-XY
- Saving new data files (.gwk)
- Determining which layers to use
- Ordering and positioning those layers
- Setting Origins
- Converting Sketched Pads
- Locating part Centroids
- Extracting through Hole Part Insertion points
- Assigning Reference Designators
- Certifying Parts
- Process Fiducials
- Importing part numbers from Bill of Materials
- Processing bottom side parts
- What is Photoplot
- Vector Photoplotters
- Raster (Laser) Plotters
- Gerber File Organization
- D Codes
- X and Y Codes
- Modality
- Establishing the Decimal Point

For the latest information on class schedules and locations, visit our website:  
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