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[Open Document in New Window](#)**How to change default style/color/thickness of waveform/trace in Viva****Problem**

You would like to change default style/color/thickness of waveform or trace in Viva.

Solution

To change default style/color/thickness of waveform/trace in Viva in IC615, you need to change "y0 drawing" to "y9 drawing" layers in your techfile or display.drf file. To change this you have to edit the display.drf file. You can do this by following steps below:

1. Open Display Resources Manager in CIW by selecting "Tools ->Display Resources Manager..."
2. Click "Edit..." in Display Resources Tool Box.
3. Change "Tech Lib Name" to your technology library.
4. Search for layer "y0 drawing" and modify the Line Style and click "Apply" at the bottom of "Layers" column.
5. Re-do step 4 to change "y1", "y2" "y9" drawing layers.
6. File->Save in the Display Resource Editor.
7. If you don't have write privilege, then you can save a local copy of display.drf file in your current directory.

You can load this in your CIW with "drLoadDrf" command after your pdk display.drf file is loaded.

So basically, your display.drf file would have something like following:

```

drDefineDisplay(
;( DisplayName )
)
drDefinePacket(
;( DisplayName PacketName Stipple LineStyle Fill Outline [FillStyle])
(display y0 blank snadashed yellow yellow outline )
(display y1 blank snadashed red red outline )
(display y2 blank snadashed green green outline )
(display y3 blank snadashed magenta magenta outline )
(display y4 blank snadashed cyan cyan outline )
(display y5 blank snadashed purple purple outline )
(display y6 blank snadashed orange orange outline )
(display y7 blank snadashed gold gold outline )
(display y8 blank snadashed blue blue outline )

```

```
( display y9 blank snadashed silver silver outline )
```

There is no way to change this via an env variable in .cdsinit or .cdsenv file if you're using viva from ADEL or ADEXL. For using ViVA from standalone mode (From Command line), environment variables are available to set it in .cdsinit or .cdsenv file. You can refer to <http://support.cadence.com/wps/myportal/cos?uri=deeplinkmin:DocumentViewer;src=pubs;q=vivaxlug/vivaxlugICADV12.1/appA.html>

But for signals plotted from ADE-L and ADE-XL, the display.drf properties settings are followed since the corresponding plotted signal is highlighted in the schematic. If Viva is invoked as standalone/ADE/Calculator, then the waveforms follow the default color order.

OR

Use attached SKILL code:

Steps to use:

1. Load the attached code in CIW or in .cdsinit file.
2. Enter `CCSChangeTrace("thickLine")`.

Other options would be "dashDot", "doubleDash" etc.

You can now plot again to get the desired background and line thickness.

Attachments

[CCSChangeTrace.il](#)

Related Solutions

None

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Document attributes

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