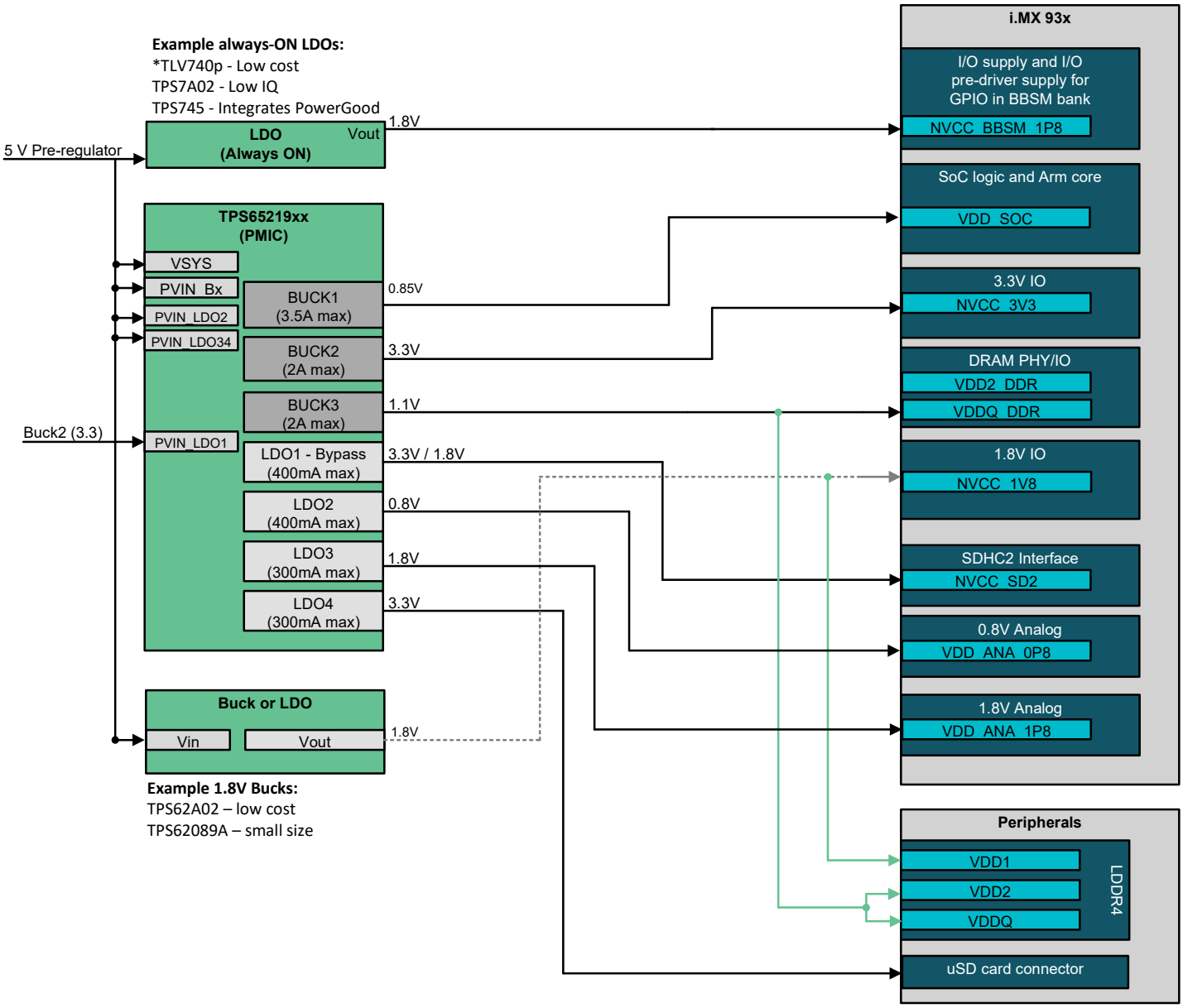
TPS65219 PMIC Powering iMX93



Visio_Template_Apr_2021

This Microsoft® Visio® template is designed for use as a Master File that contains all Visio based illustrations (excluding graphs[1] and equations[2]), on separate Pages, used in a TI technical document published with SDL Tridion. The main features of this template are the preformatted Shapes and TechDocs Macros which support the creation of TI publication ready illustrations.

To get started with creating new a new Master File using this template, perform the following steps:

- Access the template with the Visio shortcut installed to your desktop or from within Visio by going to *File* > *New* > then in CATERGORIES select *New from existing…* > next navigate to the *C:\TechDocs\Template* folder > then select the *Visio_Template_Apr_2021.vst* file > then click *Create New*.

The template opens as *Drawing#* and best practice is to first save it with a new filename to your *C:\TechDocs\[Literature Number]\Images* folder. Access the macros by clicking the custom *TechDocs* tab within the menu ribbon. The macros mentioned below are located in the *File Tools* group.

1. If the *[Literature Number]* folder does not already exist, click the *Create TD Dir* button. This macro creates the required directory structure using the Literature Number entered.
2. To ensure that existing files are not mistakenly overwritten, save the Master File using a filename different than any of the Page names. For example, use *master-slas857.vsd* as the filename.
3. When all Visio drawings are ready to process, save the Master File before running *Create Single TD File* or *Create All TD Files* macros. *Single* generates files for the current page only and *All* generates files for each page in the Master File
4. After the macros run, close the Master File. Then move the Master File from the *[Literature Number]\Images* folder to the *C:\TechDocs\[Literature Number]\Archive* folder. Do not include the Master File in the .zip file that is uploaded to the Tridion Repository.
5. Equations are no longer created using Visio. See footnote [2] below for a link to the new process.

**** ATTENTION Visio 2016 or 2019 USERS:** When preforming a Save As you must switch the 'Save as type:' field to 'Visio 2003-2010 Drawing (*.vsd)' to ensure proper macro functionality.**

Ctrl + Click **HERE** to report bugs and problems with the template or macros to the **Tech Docs Help Team**[3].

Ctrl + Click **HERE** for more information on the illustration whole process.

Ctrl + Click **HERE** for more information on the Tridion publishing tool.

[1] For graphs, see **DPlot Graph Tool** on the Tech Docs Confluence.

[2] For equations, see **Equations** on the Tech Docs Confluence

[3] Permission may be required to access the Tech Doc Help JIRA.

Master File best practices:

- The 3rd Page in this template, **Drawing-Basics**, contains a quick review of Visio template features, graphics standards, and the illustration whole process.
- The 4th Page in this template, **Visio-Timing-Diagram-Guide**, contains shape aids and guides for use in creating accurate and consistent timing diagrams.
- To reduce file size delete all unnecessary Pages including this Page and the aforementioned Pages before saving your Master File.

Most images should stay within this 8.5" x 11" publication page area.

Publication Ready Shapes

All connecting lines must be 0.5pt line weight

All connecting dotted lines must be 0.5pt line weight

Home>Shape>Line> Line Options... choose 02: under Dash type

Standard tie dot size

Text Box

All box outlines should be 1pt line weight

Dashed Text Box

Dash type 02: 1pt line weight

Text

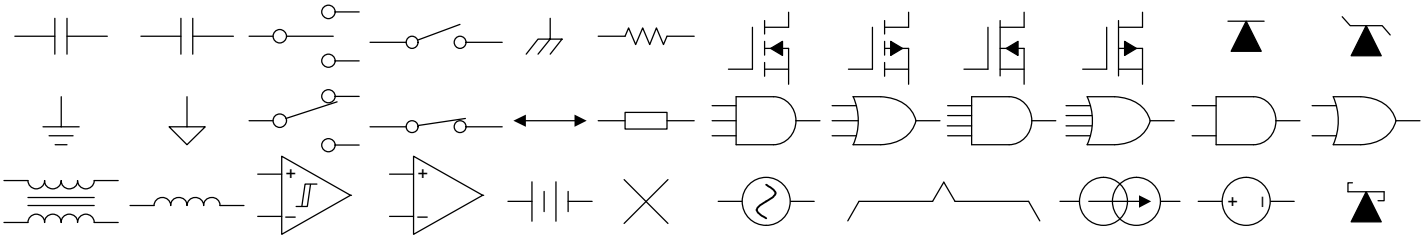
All text should be 7pt

Standard pin

Arrow width 0.5pt

Home>Shape>Line>Line Options... choose #4 under arrow type

Access component shapes from the *Schem_Diagram_Feb_2019* stencil and other stencils, or copy from below:



These component shapes are the standard size and should not be altered. Rather than altering their size, it is best to scale the drawing around the standard shapes and 7pt font size.

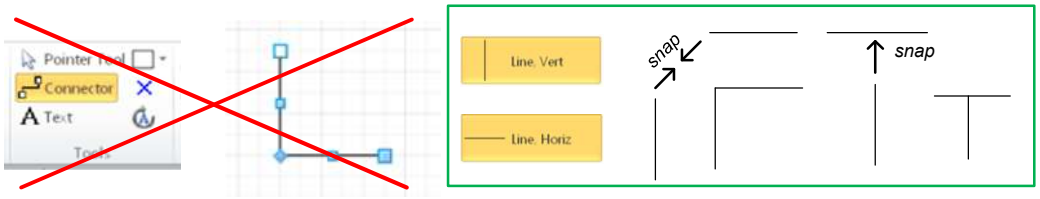
Standard Colors

If using color in data sheet graphics the colors provided in the TechDocs menu must be used. These colors are approved by the data sheet council. All shapes require a black outline. Line color is for connecting lines only. These are accessible from the TechDoc Standard Colors group.

Macro Button	*Actual Color*
TI Red	R:222 G:0 B:0
TI Gray	R:170 G:170 B:170
Process White	R:255 G:255 B:255
TI Blue	R:17 G:85 B:102
TI Red Alternate	R:153 G:0 B:0
TI Gray Alternate	R:224 G:224 B:224
TI Blue Alternate 2	R:0 G:187 B:204
Green	R:101 G:193 B:146
Orange	R:239 G:158 B:103

Drawing

When drawing connecting lines use the shapes provided in the *Schem_Diagram_Feb_2019* stencil, rather than using the Connector tool from the Home>Tools menu. With this technique each line will snap together and the drawing is scalable if size adjustments are needed. Use Alt + F9 to access Snap and Glue options.



Text in shapes

To input text in shapes, double click the box and start typing.

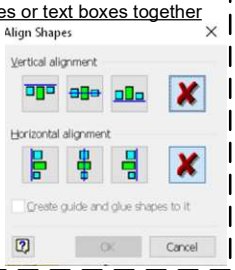
Text can be a formatted with these buttons in the Home>Paragraph menu

To align multiple shapes or text boxes together

Select the text or boxes you need alligned

Press F8

make selection and press OK



No Shadows

No Gradients

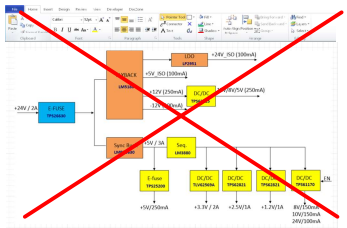
No Transparencies

These features in Visio are not compatible with the macro vector output and could cause distortion in published illustrations.

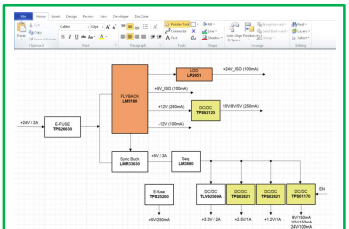
Providing Source Files

All provided source files must have legible text. Avoid screen captures if original image can be saved from source program. Raster (pixel based) images must be provided with as high resolution as possible, 300 x 300 dpi is recommended.

1. **Visio** – If you have an editable Visio drawing then provide a .VSD source file. If instead you have a raster image (such as .PNG or .JPG), please provide source in that file format. Do not insert raster images into a .VSD. Inserting a .PNG or .JPG into a Visio file is not the same thing as providing a "Visio source".

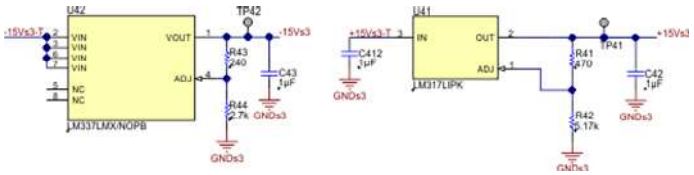


Raster image inserted into Visio

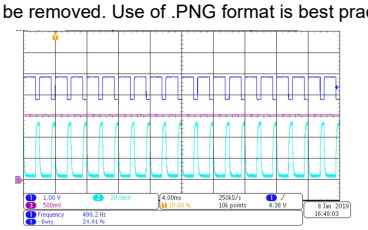


Vector line drawing

2. **Altium** – All schematics created with Altium must be provided to the illustrators in .PDF or .SVG format. If it looks similar in style to the examples to the right, then it was created with Altium, and a .PDF/.SVG source need be exported from Altium.



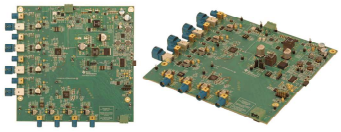
3. **Oscilloscope images** – All scopes should have inverted background (i.e. white instead of black) and any non-TI logos must be removed. Use of .PNG format is best practice.



4. **Board images** – Board images must follow new strict standards. Board photography can be scheduled with the TI Studios teams in Dallas or Santa Clara.

Ctrl + Click to follow below link for more info and how to submit a request:

https://confluence.itg.ti.com/display/CORPBRAND/Product+board+photography



5. **DPlot** – The Tech Docs team no longer accepts Excel source files for typical characteristic graphs. The DPlot .GRF file format is the only acceptable source file for tc graphs. Access to DPlot is provided free of cost, please request access by emailing Abbie Hill.

Visio Timing Diagram Guide