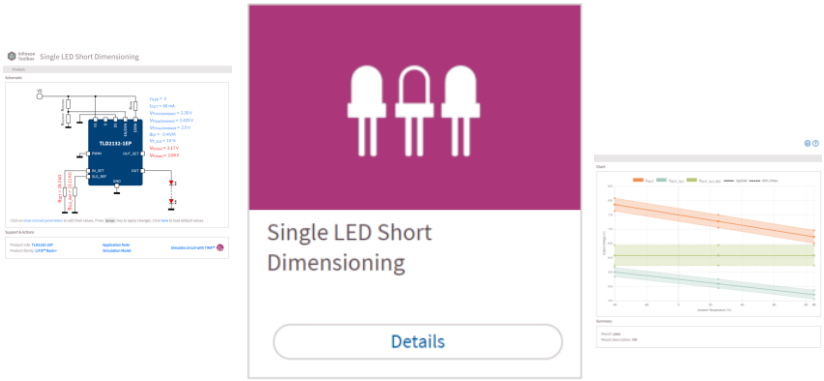
LITIX™ Basic+ design-in tools in Infineon Toolbox

July 2020

New LITIX™ Basic+ tools ease evaluations and designs

Single LED Short Dimensioning

Evaluate Single LED Short detection of TLD2x**3**x-xEP

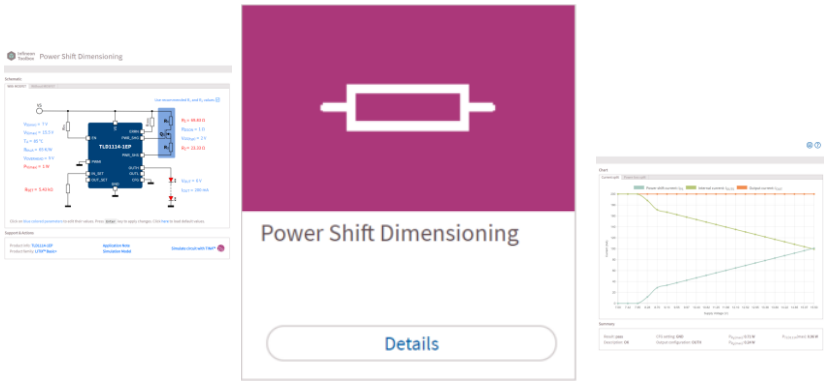


Calculate SLS detection threshold resistor RSLS_REF

Illustrate output voltage over temperature

Power Shift Dimensioning

Evaluate Power Shift feature of TLD1114-1EP



Calculate external power shift resistors

Display current split and power losses split over supply voltage

Infineon Toolbox

› Install LITIX™ Basic+ design-in tools in Infineon Toolbox

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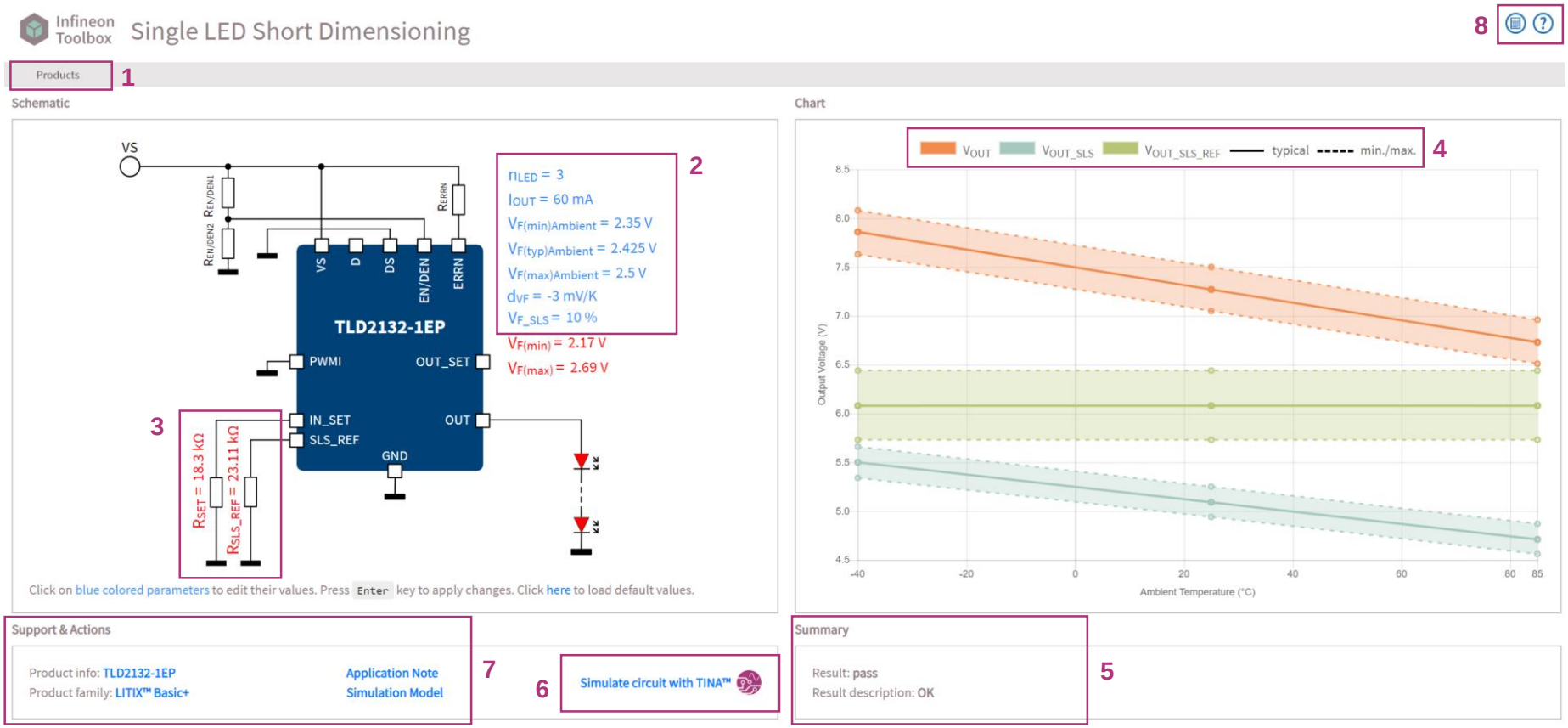
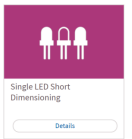
Single LED Short Dimensioning tool evaluates the performance of Basic+ Mid End variants



1. Select the product under evaluation
2. Enter the application parameters
3. View the calculated R_{SET} and R_{SLS_REF} resistors
4. Chart shows the output voltage over ambient temperature
   Click on legend items to toggle specific data on the chart
5. Summary area indicates whether setup is a pass or not
6. Link to Infineon Designer; simulate your circuit setup
7. Easy access to online information and material
8. Click to view the calculation steps and tool description



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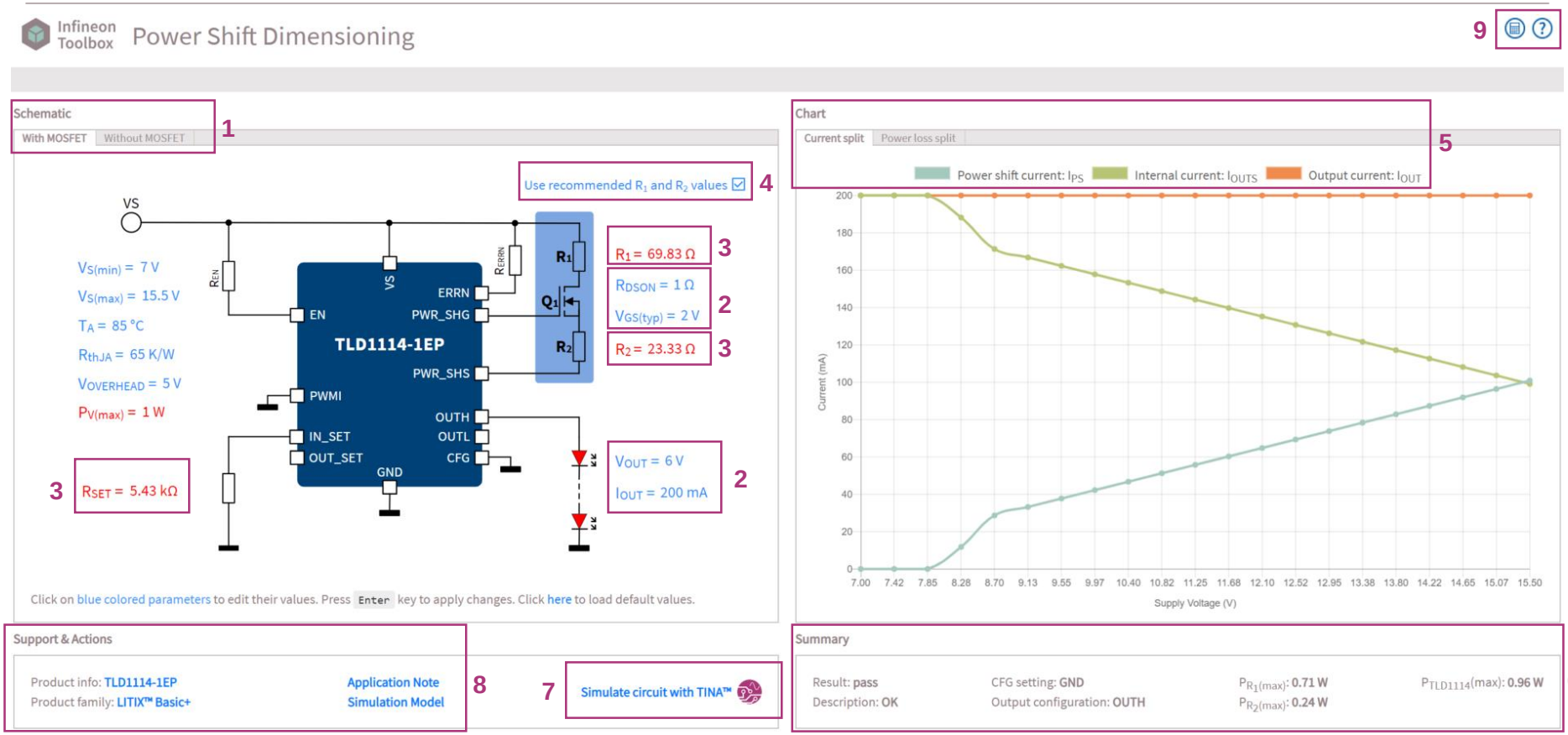
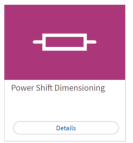
Power Shift Dimensioning tool calculates the external resistors of Basic+ TLD1114-1EP Power Shift feature



1. Select configuration, with or without use of MOSFET
2. Enter the application parameters
3. View the calculated R_{SET} and Power Shift R_1, R_2 resistors
4. Option: disable checkbox to adapt the Power Shift resistors
5. Charts show current & power losses split vs supply voltage
   Click on legend items to toggle specific data on the chart
6. View the setup evaluation, recommended output and CFG-pin configuration and power losses calculation
7. Link to Infineon Designer; simulate your circuit setup
8. Easy access to online information and material
9. Click to view the detailed calculation steps and tool description



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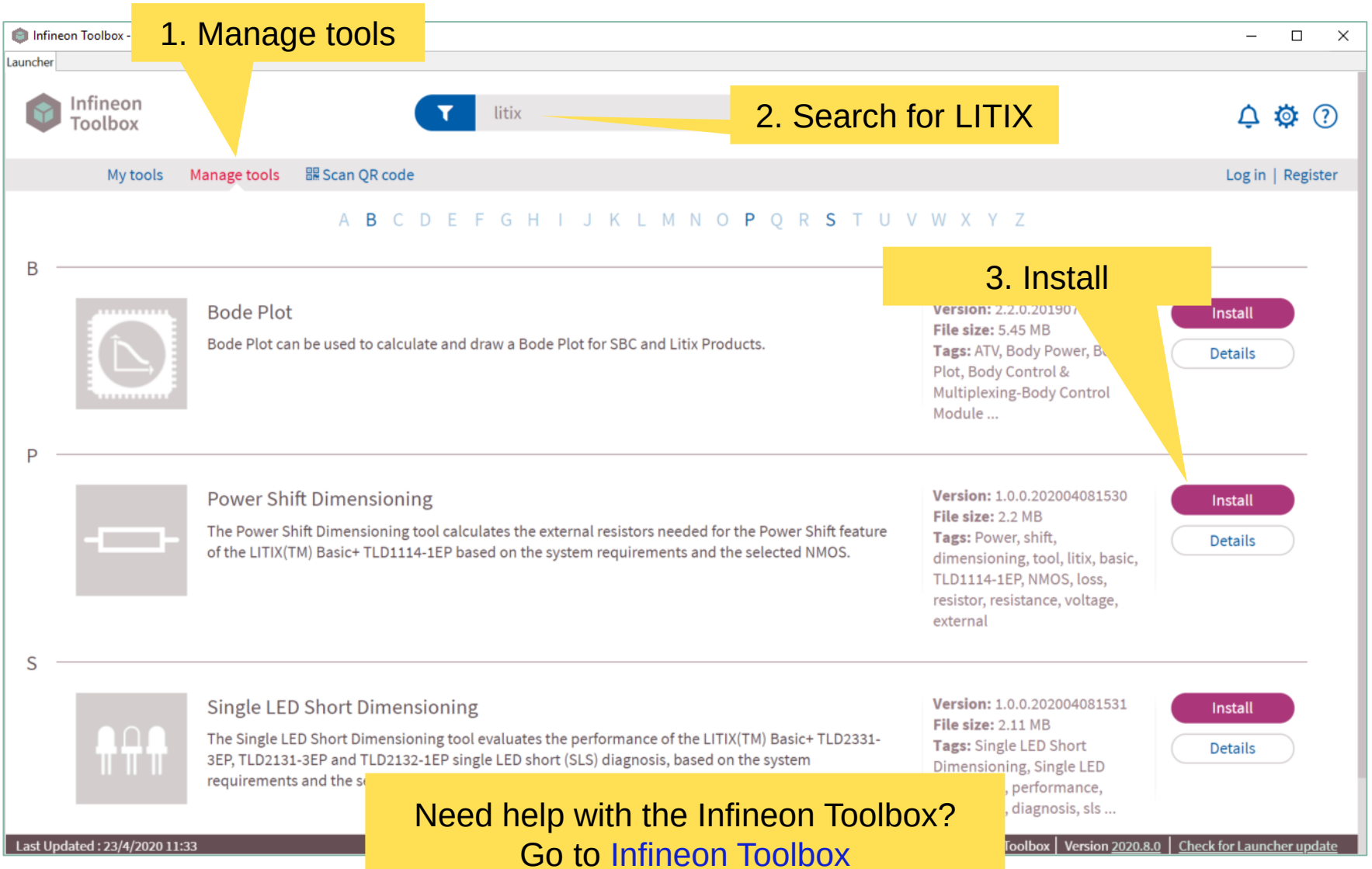
How to install LITIX™ tools in the Infineon Toolbox



Need help with the Infineon Toolbox?
Go to Infineon Toolbox

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