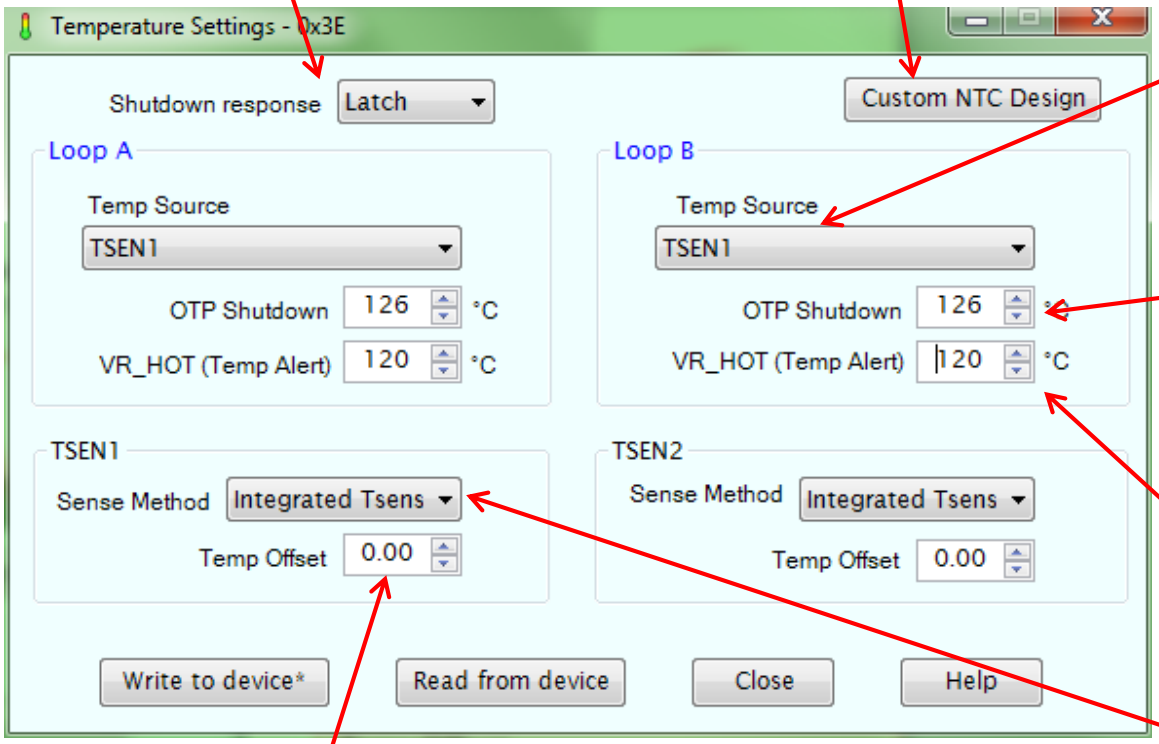
Temperature Settings

Shutdown response :

What to do when an OTP Shutdown temperature threshold is passed

Custom NTC design :

This button open a new window where calculations can be done when a non standard NTC is used



Temp Source:

Temperature signal comes from :

-TSEN1

-TSEN2

It is possible to have same Sensor input for both loops

OTP Shutdown:

Select the temperature for when Over Temperature Shutdown is to be activated.

VR_HOT :

Select the temperature for when VR-HOT fault and pin to be activated. This function have a 3% hysteresis. i.e. When set to 100C the VR_HOT warning will be set when temperature goes above 100C and stay on until temperature drops 3% (97C) then the fault flag reset itself.

TSEN1 and TSEN2:

-NTC: Use an external NTC resistor to measure temperature. Typically the NTC is placed near output inductors.

-Integrated Tsense: Available if the power stage(s) provide an integrated temperature sense measurement

-Disable: Do not use the temperature function

Temp Offset:
Allow an offset to be entered to compensate for any measurement errors or offset due to location of temperature sensor.