

Temperature Settings

Custom NTC design: **Shutdown response:** This button open a new window where What to do when an OTP Shutdown calculations can be done when a non temperature threshold is passed standard NTC is used _ D X Temperature Settings - 0x3E Custom NTC Design Latch Shutdown response Loop B Loop A Temp Source Temp Source TSEN1 TSEN1 126 126 OTP Shutdown OTP Shutdown 120 ⊕ °C 120 VR HOT (Temp Alert) VR HOT (Temp Alert) TSEN1 TSEN2 Sense Method Integrated Tsens -Integrated Tsens -Sense Method Temp Offset 0.00 Temp Offset 0.00 🚔 Write to device* Read from device Close Help

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.

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Temp Offset:

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

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