125μΩ

TPS717-Q1

SN6501L-Q1

AMC1305M05-Q1

DATA

CLOCK

INA301-Q1

Overcurrent Signal

C2000

Microcontroller

TIDA-01543 Reference Design Board

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Note: R3 and R6 set the current at which the ALERT output is activated.

See the INA301 Datasheet for more information.

80 µA current source in the INA, with R_Limit=20k
INA Threshold: 1.6V at Output
1.6V/50 = 32mV at INA input
Overcurrent detection triggers at ~256A with 125 uOhm shunt
You should delete the nylon screws/standoffs and/or the bumpers as needed for your design (or substitute other parts from Hardware.IntLib). Bumpers are cheaper, but provide less clearance.

Deleting anything else from this page may result in your EVM submission being rejected (until you add them back).

Update the Label Text in the Label Table as needed for each Assembly Variant.

You should delete this note too.
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