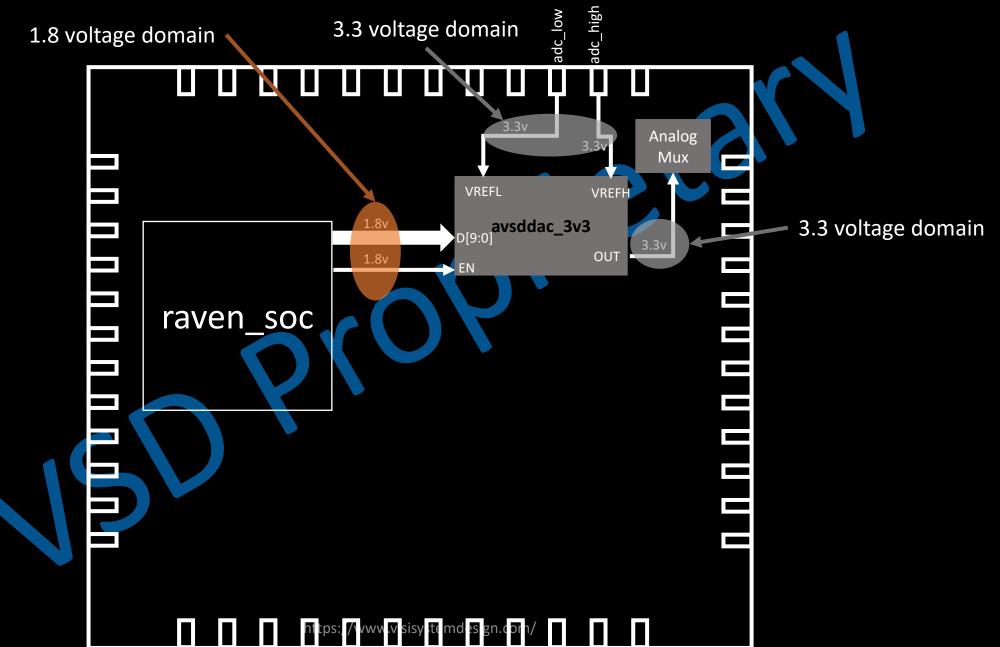
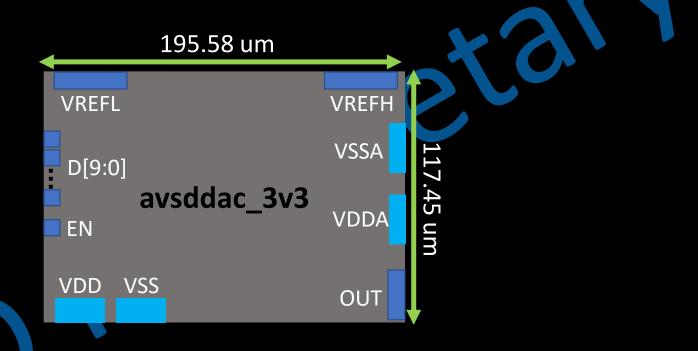
DISCLAIMER by VSD Corp. Pvt. Ltd.

- DAC (avsddac_3v3) spec sheet for 180nm tech node
- Original Specs from XFAB and Recreated by VSD Corp. Pvt. Ltd.
- To be used only for Educational purposes
- Please contact Kunal at <u>kunalpghosh@gmail.com</u> in case of any doubts

Application Note for dac (avsddac 3v3)

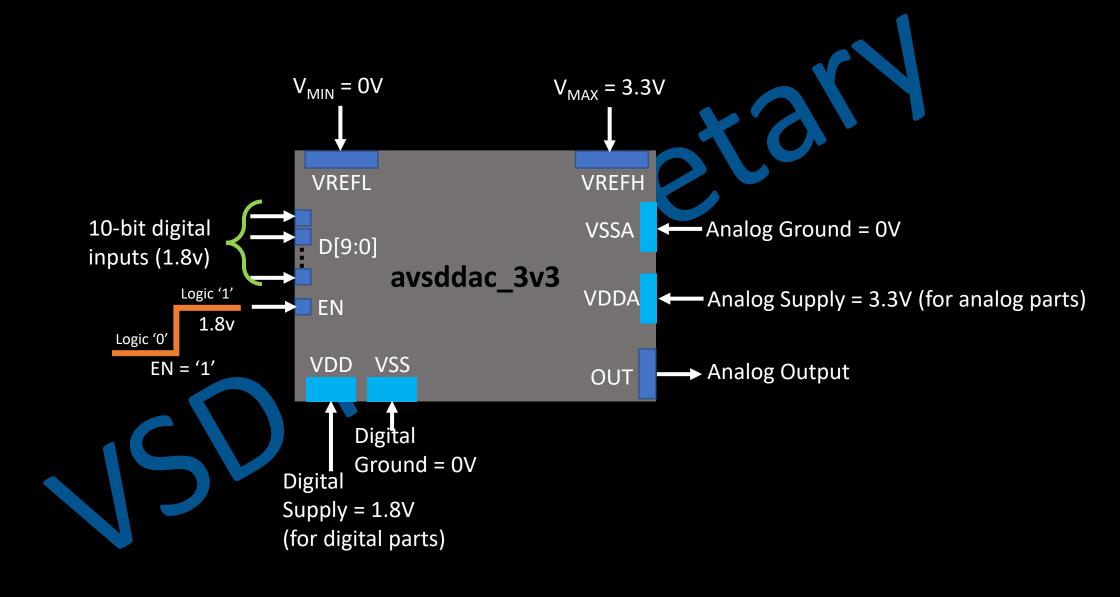


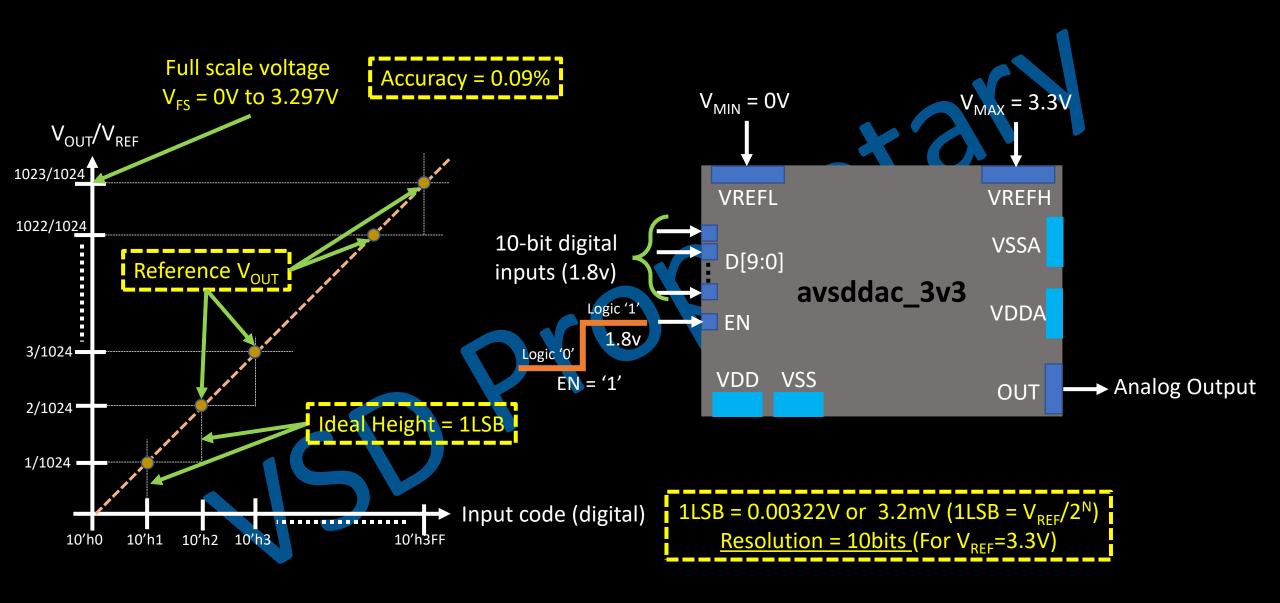
<u>avsddac_3v3 preferred dimensions,</u> pin locations and metal layers

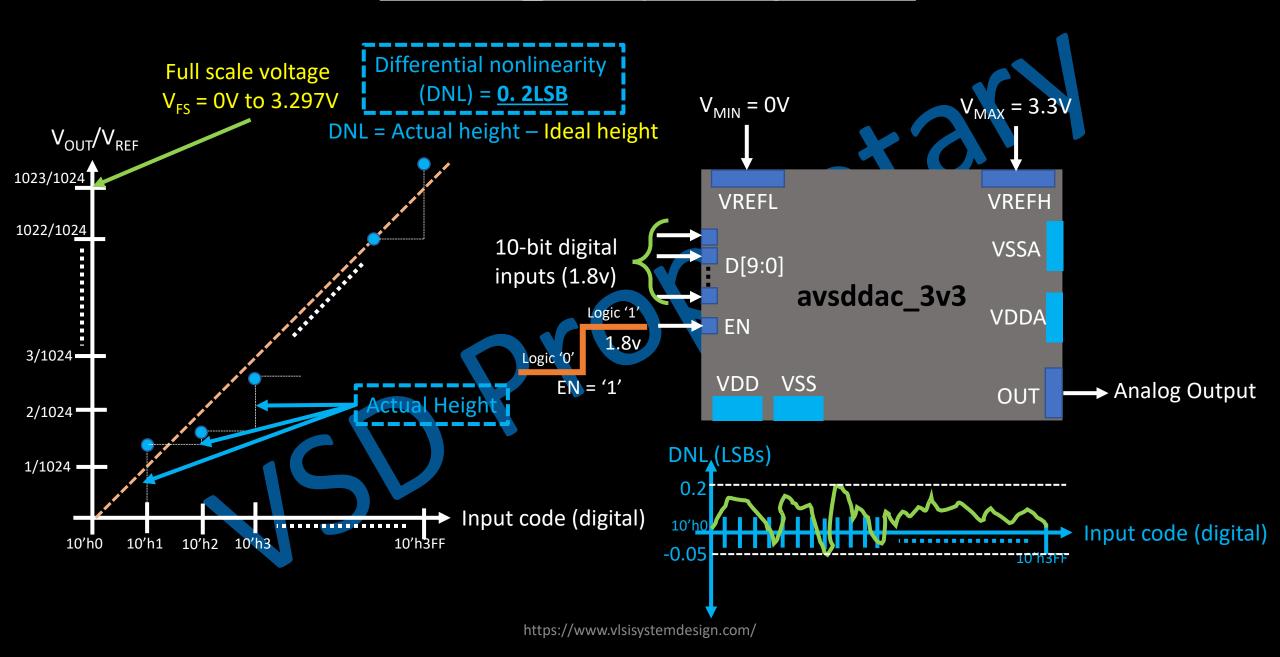


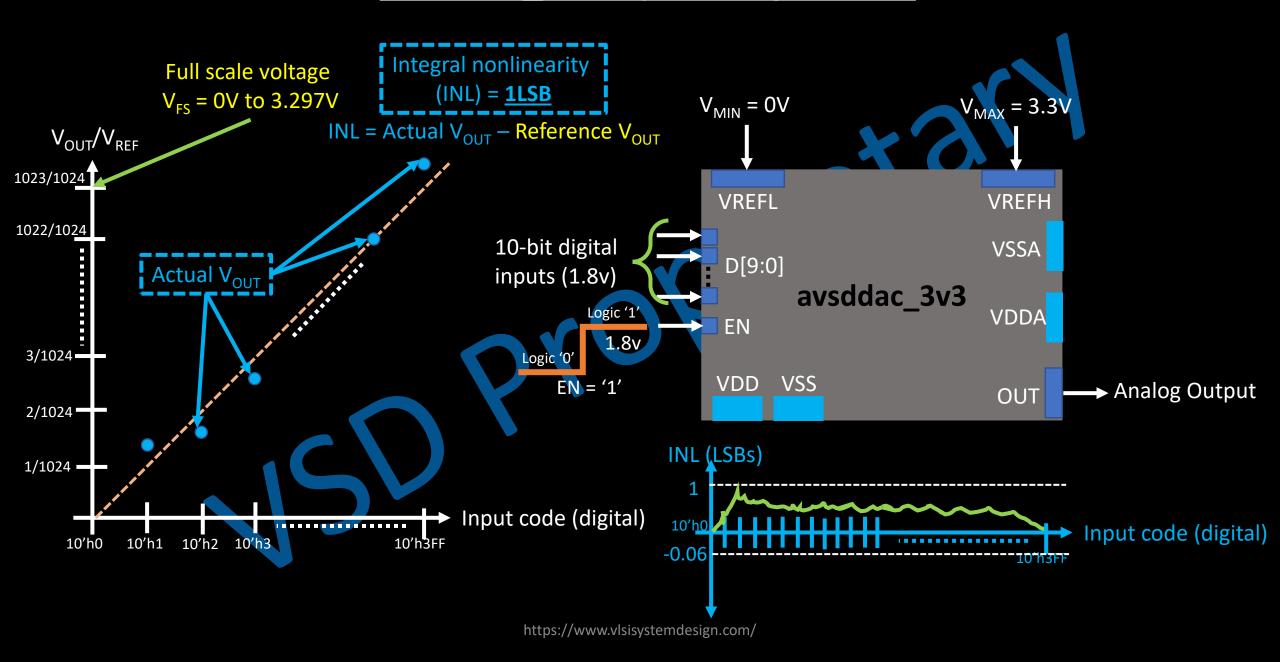
- VDD, VSS pins (metal2) 1.5um x 0.8um
 - D[9-0], EN pins (metal3) 0.28um x 0.28um

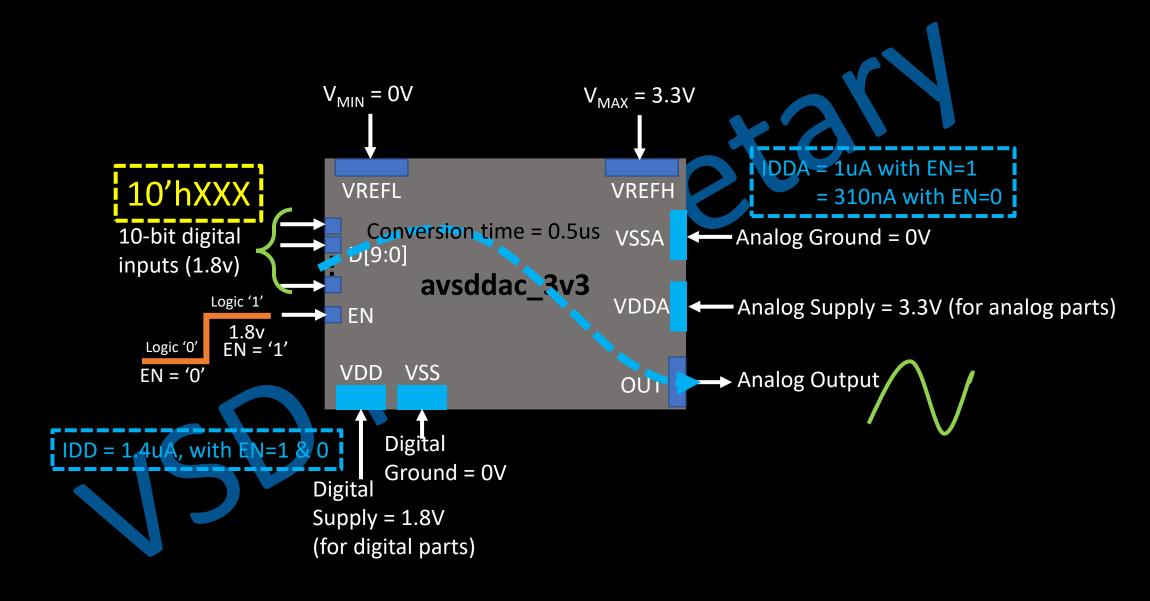
- VREFL, VREFH pins (metal2) 9.48um x 0.8um
- OUT pin (metal3) 0.8um x 1.6um
 - VDDA, VSSA pins (metal3) 0.8um x 3um











avsddac_3v3 plots and values needed

- 1) DNL vs Digital code at $V_{REF}=V_{DD}=3.3V$ and T=20C & 85C
- 2) INL vs Digital code at $V_{REF}=V_{DD}=3.3V$ and T=20C & 85C
- 3) DNL vs Digital code at V_{REF} = 1.25V, V_{DD} =3.3V and T=20C & 85C
- 4) INL vs Digital code at $V_{REF}=1.25V$, $V_{DD}=3.3V$ and T=20C & 85C