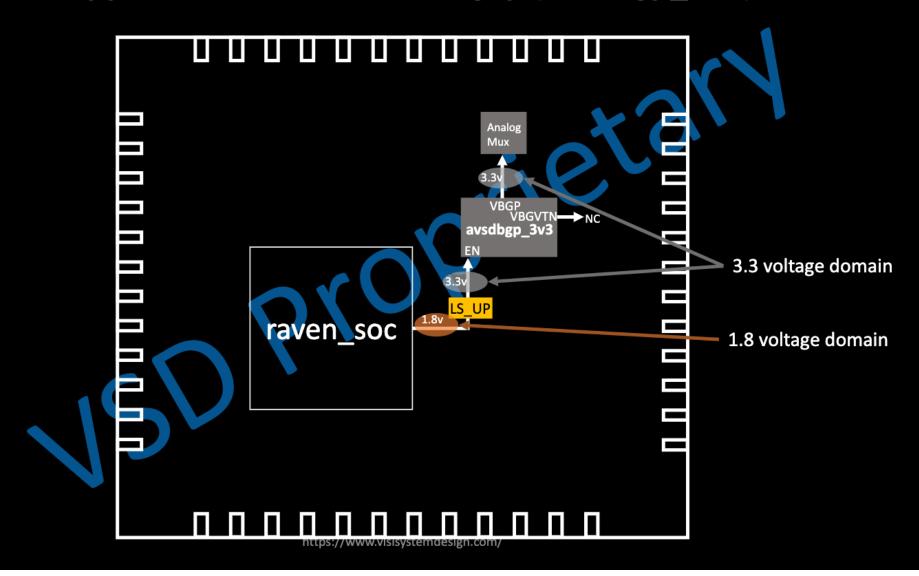
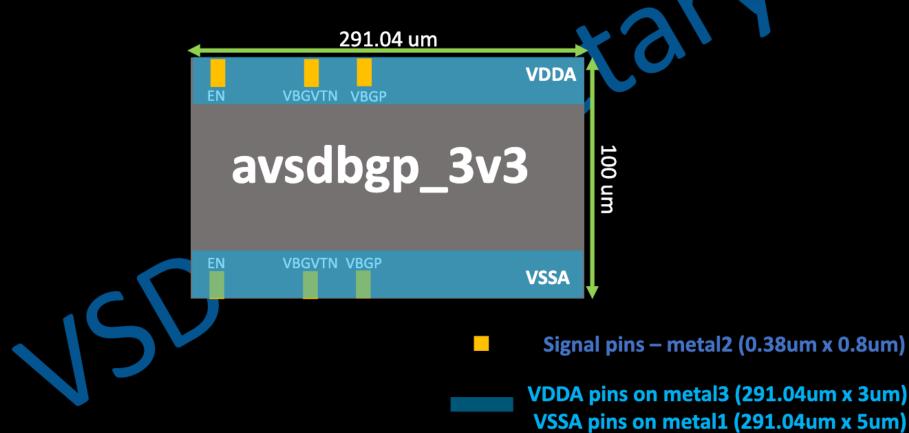
DISCLAIMER by VSD Corp. Pvt. Ltd.

- Bandgap (avsdbgp_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

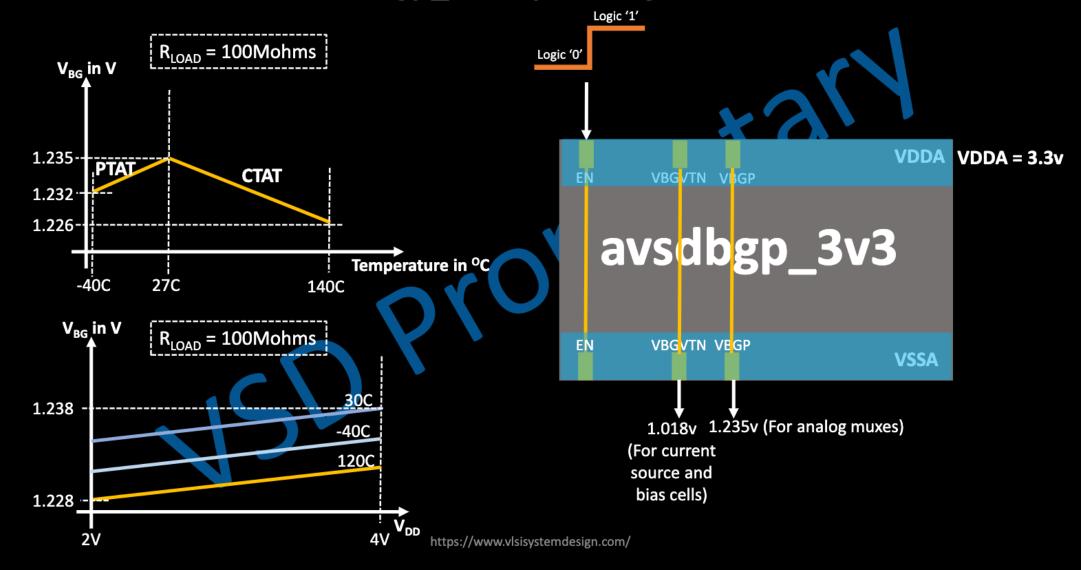
Application Note for band-gap (avsdbgp_3v3)



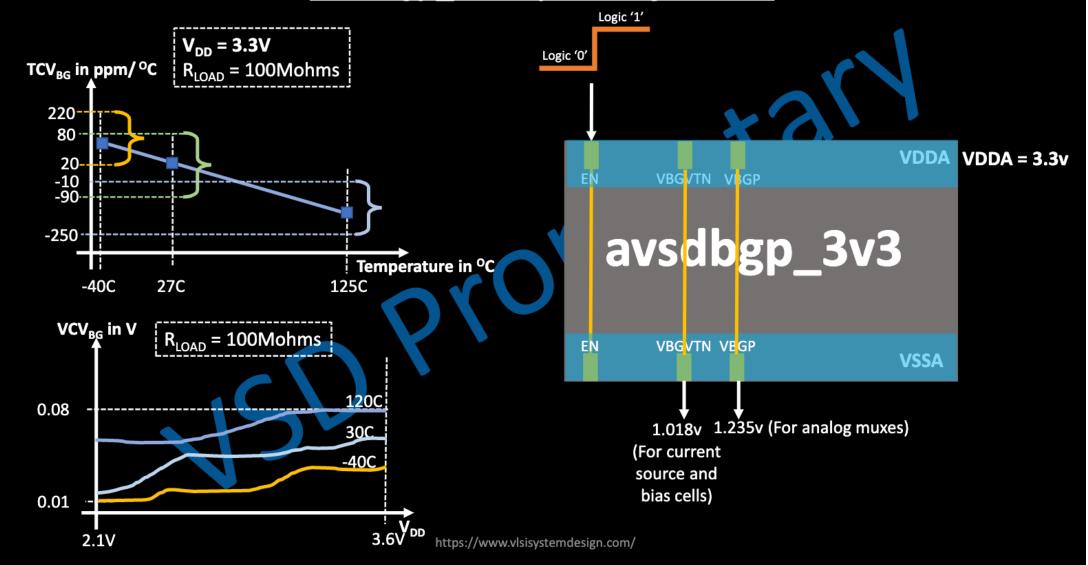
avsdbgp_3v3 preferred dimensions, pin locations and metal layers

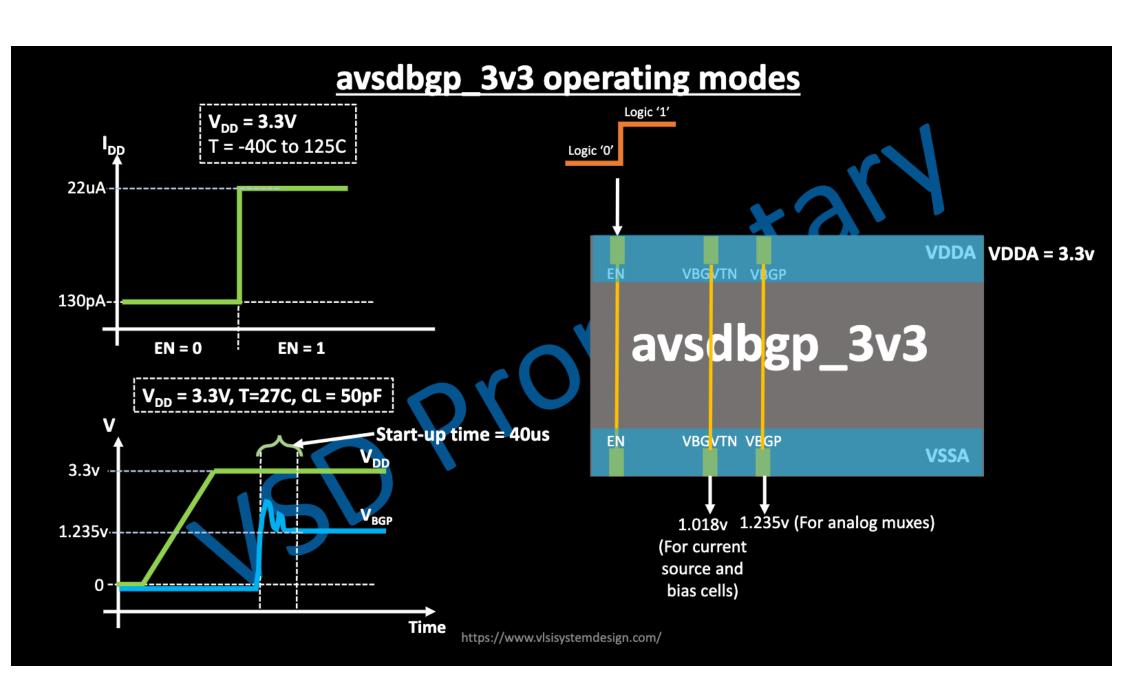


avsdbgp_3v3 operating modes



avsdbgp_3v3 operating modes





avsdbgp_3v3 plots and values needed

- 1) V_{BGP} vs Temperature (-40C to 140C) at R_{LOAD} = 100Mohms
- 2) V_{BGP} vs V_{DD} (2V to 4V) at R_{LOAD} = 100Mohms
- 3) Temperature Co-efficient of V_{BGP} vs Temperature (-40C to 140C) at R_{LOAD} = 100Mohms
- 4) Voltage Co-efficient of V_{BGP} vs V_{DD} (2V to 4V) at R_{LOAD} = 100Mohms
- 5) Report noise at VBGP terminal (expected 25uV rms)