

PVT Sensor (sc_pvt0401x_4nm)

Block Diagram

Features

- 4nm Low Power Plus (LN04LPP) CMOS device technology
- 1.2V±10%, 0.75V±10% dual power supply
- Operating junction temperature(T_J): -40~125°C
- PVT sensor resolution: 0.0625°C
- PVT sensor accuracy: ±3°C
- Voltage sensing range: 0.25~0.95V
- Voltage sensor resolution: 0.5mV
- Process sensor type: SLVT, LVT, RVT
- Power consumption: 0.233mW
- Area(PVT sensor): 151µm x 109.242µm
- Area(Remote probe): 22.08µm x 23.328µm
- Junction temperature(T_J) sensing
- Multiple hot spots monitoring via remote probes
- Typical applications
 - Mobile/Consumer/Automotive/HPC

IP Status

- DK : Ready