

Digital pressure sensor

■ General Description

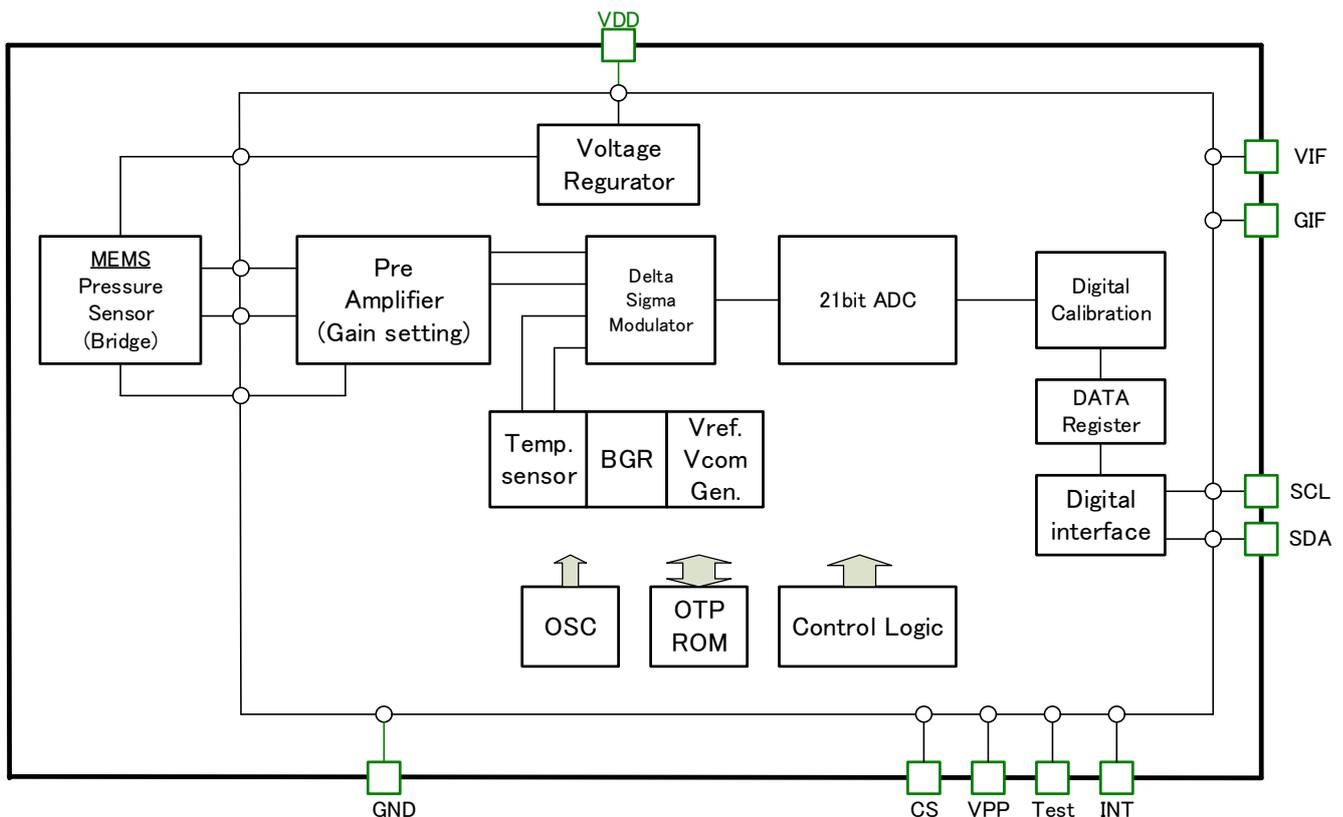
The HTT7301 is a digital absolute pressure sensor which has integrated MEMS sensor and signal conditioning LSI. The MEMS sensor detects absolute pressure. The signal conditioning LSI provides optimal performance with low power consumption. Digital output data interface through I2C standard.

Factory calibration characterizes sensor parameters such as sensitivity and offset for all temperature range.

■ Features

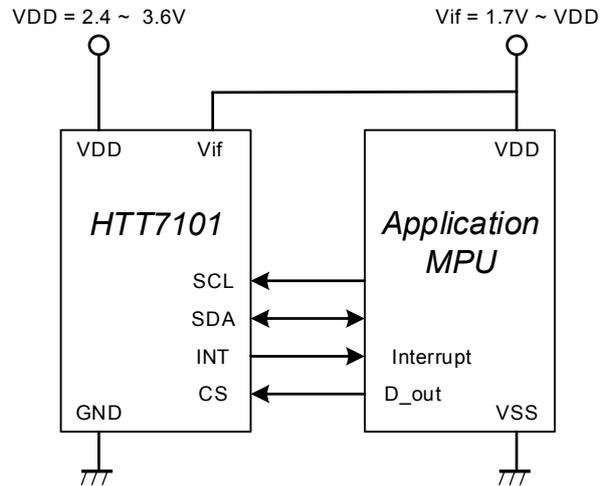
- Digital absolute pressure sensor
- I2C digital serial interface
- Small, Surface mount Package
- Supply Range : $VDD = 2.4V \sim 3.6V$ (I/O interface : $1.7V \sim VDD$)
- High resolution A/D converter: 21 bits
- Pressure range: 300 to 1100hPa
- Small package: 2 x 2 x 1.1 mm(12 pin)
- Operating temperature : $-40^{\circ}C \sim 85^{\circ}C$

■ Block diagram



Digital pressure sensor

■ Typical Application circuit



■ Pin assignment

