



# PMS5637 – Smart and digital pressure and temperature sensor

Analog - Digitale  
Mikromechanische  
Sensorsysteme

## PRODUCT DESCRIPTION PMS5637

Since it is in most cases quite troublesome to solder the QFN-(Quad Flats No Leads) housing in reflow process for the testing and the assembly of samples of the MS5637, therefore the PMS5637 was designed.

It consists of a printed circuit board with a 4-pole pin strip, the MS5637 and a decoupling capacitor between VDD and GND.

Using the plug connection of the relevant pin strip the relative barometric pressure and temperature can be calculated with the help of a micro processor and the appropriate Software.



Figure 1: PMS5637

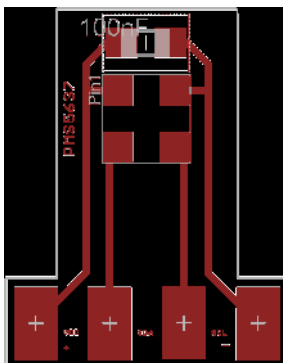


Figure 2: PMS5637 Layout

Outer dimension: 9.63 x 12.26mm<sup>2</sup>

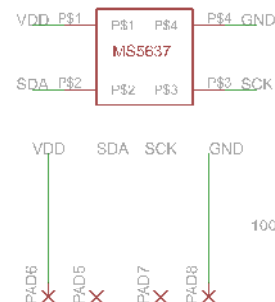


Figure 3: PMS5637 Circuit diagram

Sensor	MS5637-02BA03	Pressure and temperature
Capacitor C1	0603; ±10%, X7R	100nF
Pin Strip 4-pole	RM 2.54	Single-row, straight

Table 1: Assembly list

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