GXP6295 Pressure Sensor

1 Features

- Miniaturization, MEMS technology
- Wide-pressure range
- Independent intellectual property chip design
- High-precision, calibrated compensation
- Temperature compensation range: -5 ~65℃
- Using SMT packaging
- Power supply range: 4.75V ~ 5.25V
- Package: SOP16

2 Applications

- Medical monitoring: respiratory systems such as ventilators, medical beds
- Industrial control: fire protection residual pressure monitoring, heating and air conditioning
- White goods: washing machine level and pressure measurement

3. Description

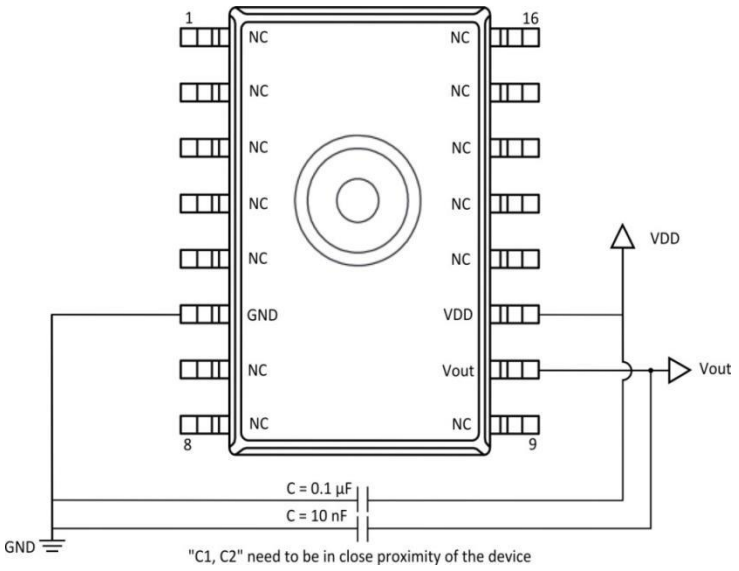
The GXP6295 series pressure sensor is an ultra-small integrated low-pressure high-precision semiconductor pressure sensor suitable for medical, industrial control, white goods and other fields. It adopts the standard SMT packaging form, which is convenient for users to install and use later.

The silicon piezoresistive pressure-sensitive chip utilizes MEMS (Micro-Electro-Mechanical Systems) technology for processing. It uses algorithms to achieve multi-stage temperature compensation and provides an accurate, high level analog output signal that is proportional to the applied pressure.

Chip Package Information

Product Number	Package Information	Chip Package Area (NOM)
GXP6295	SOP16	10.26mm*7.52mm

Typical Application



Long-term Stability	It refers to the voltage output offset of the pressure sensor after one year.

12 Ordering Information

Purchase Code	Devices	Encapsulation	LOGO	Packing Quantity	Package Form
GXP6295-BGE-S-040-000	GXP6295	SOP16	GXP6295-E-040	47	Material pipe

1 3 Version Update Information

Version	Date	Description	Modified Page
V1.0	**2023.11.05**	**Initial version**	**all**

NOTE

The above contents are the precautions for GXP6295 recommended by Beijing Galaxy-CAS Technology Co., Ltd. in practical applications. Customers are responsible for determining suitability of components for their purposes based on their own usage needs and application scenarios. Customers should test and verify their design implementation to confirm system functionality and avoid losses.