

MM3609ARRE

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Outline

MM3609 is analog front end IC which converts analog signal output from the sensor to digital signal, conducts digital signal processing and outputs to the host such as microcontroller etc. with digital transmission. It responds to a wide variety of sensors.

Features

- ① It has a 24bit $\Delta\Sigma$ ADC with a wide dynamic range.
- ② The correction factor needed for correcting sensor can be stored in the non-volatile memory (NVM) inside IC.
- ③ The communication interface can be chosen from I2C or SPI.
- ④ It has a temperature sensor and is able to correct the temperature characteristics of the exterior sensor.
- ⑤ It has a built-in oscillator and no need external oscillator.
- ⑥ Possible to select effective resolution or data output rate suitable.
- ⑦ Two modes of sensor driving(constant current and constant voltage).
- ⑧ Standby electricity can be reduced significantly by ON/OFF switch for external sensor.

Specifications

Number of input channels [ch]	Resolution [bit]
Resistance 2CH	24

Package

PLP-24