

GXA9555

16-bit I²C-bus I/O Expander with Interrupt Output

1 Features

- Alternative to xCA9555
- Supply Range: 1.6V~5.5V
- Temperature Range: -55°C ~ +125°C
- Standby Current: 0.5μA
- High-Current Drive Capability
- Open-Drain Active-Low Interrupt Output

2 Applications

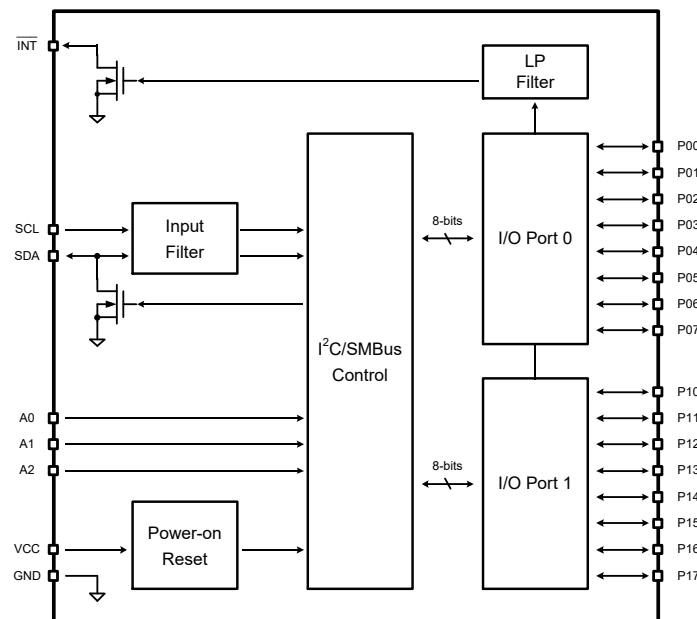
- Servers
- Routers
- Communication Cabinet
- Industrial Automation
- Products with GPIO-Limited Processors

3 Description

The GXA9555 provides general purpose parallel input and output (GPIO) expansion. Port data is transmitted through the standard I²C protocol, which can support up to 1MHz communication rate (and up to 2MHz when high-speed mode is enabled). The GXA9555 features a 16-bit totem-pole I/O ports (P07-P00, P17-P10), which can directly drive LEDs. Each bit of a GPIO port can be individually configured as an input or output. At power on, the I/Os are configured as inputs.

Device Information

DEVICE NAME	PACKAGE	BODY SIZE (NOM)
GXA9555U	TSSOP (24)	7.80 mm × 4.40 mm
GXA9555WQ	WQFN (24)	4.00 mm × 4.00 mm



10 Ordering Information

ORDER CODE	DEVICE	PACKAGE	QUANTITY	NOTES
GXA9555U-T&R	GXA9555U	TSSOP (24)	4000	Tape&Reel
GXA9555WQ-T&R	GXA9555WQ	WQFN (24)	4000	Tape&Reel