

GXA535/539/555

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

1 Features

- Alternative to xCA9539 / 9539 / 9555
- 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

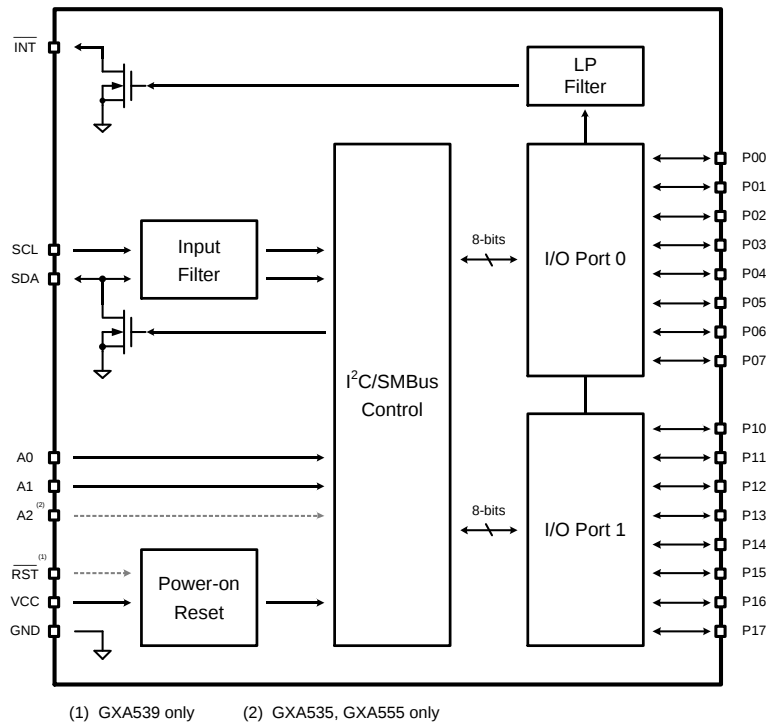
- Servers
- Routers
- Communication Cabinet
- Industrial Automation
- Products with GPIO-Limited Processors

3 Description

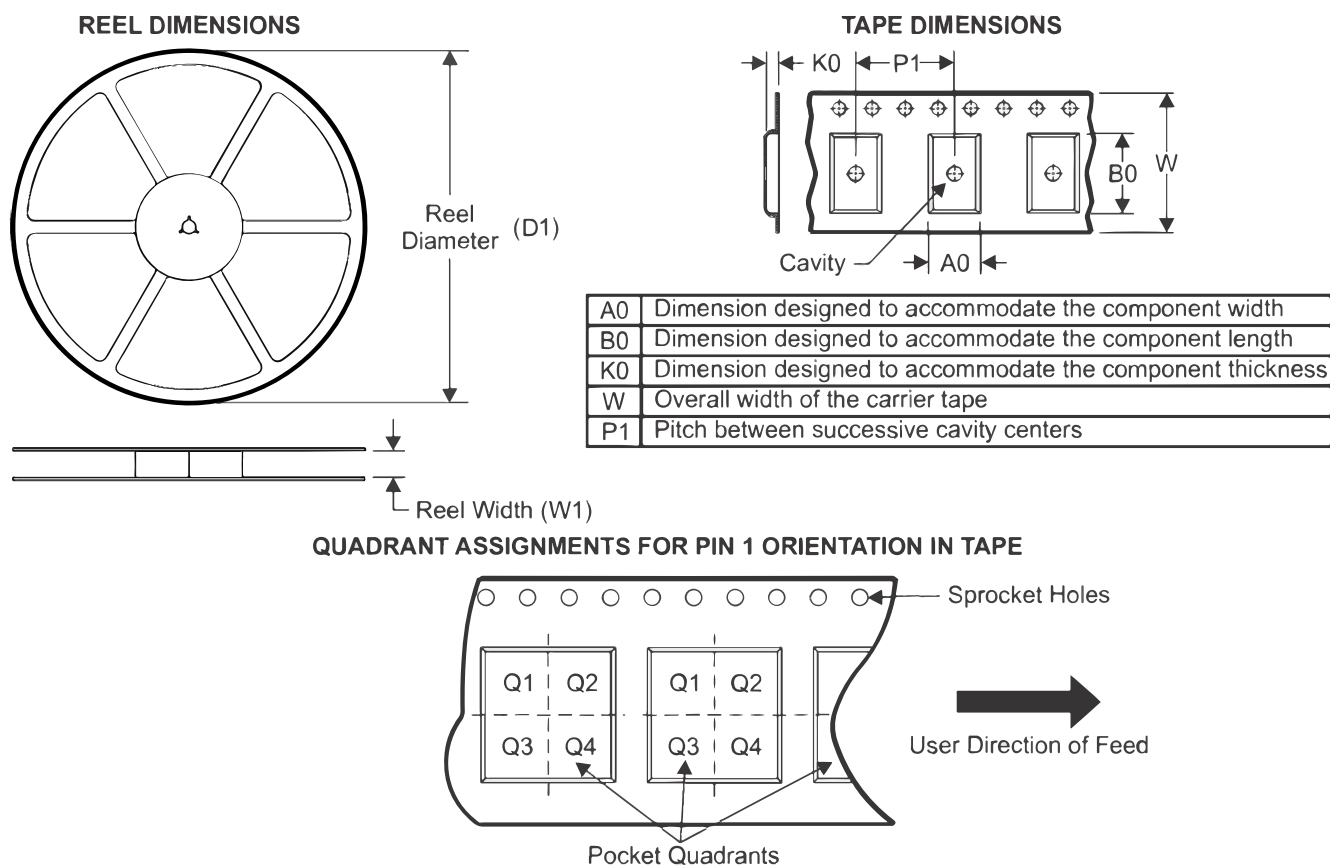
The GXA535 family provides general purpose parallel input and output (GPIO) expansion. Port data is transmitted through the standard I2C protocol, which can support up to 1MHz communication rate (and up to 2MHz when high-speed mode is enabled). The GXA535 family features a 16-bit totem-pole I/O ports (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)
GXA5xxU	TSSOP (24)	7.80 mm × 4.40 mm
GXA5xxWQ	WQFN (24)	4.00 mm × 4.00 mm



9.3 Tape and Reel Information



PACKAGE	D1 (mm)	W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1
TSSOP-24	330	16.4	6.80	8.30	1.60	8.00	16.00	Q1
WQFN-24	329	12.4	4.30	4.30	1.10	8.00	12.00	Q1

Note: All dimensions mentioned above are in millimeters.

10 Ordering Information

ORDER CODE	DEVICE	PACKAGE	QUANTITY	NOTES
GXA535U-T&R	GXA535U	TSSOP (24)	4000	Tape&Reel
GXA535WQ-T&R	GXA535WQ	WQFN (24)	4000	Tape&Reel
GXA539U-T&R	GXA539U	TSSOP (24)	4000	Tape&Reel
GXA539WQ-T&R	GXA539WQ	WQFN (24)	4000	Tape&Reel
GXA555U-T&R	GXA555U	TSSOP (24)	4000	Tape&Reel
GXA555WQ-T&R	GXA555WQ	WQFN (24)	4000	Tape&Reel