

GXA574

8-Bit I/O Expander for I²C Bus

1 Features

- Alternative to xCF8574
- Supply Range: 1.6V to 5.5V
- Temperature Range: - 40°C to + 85°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

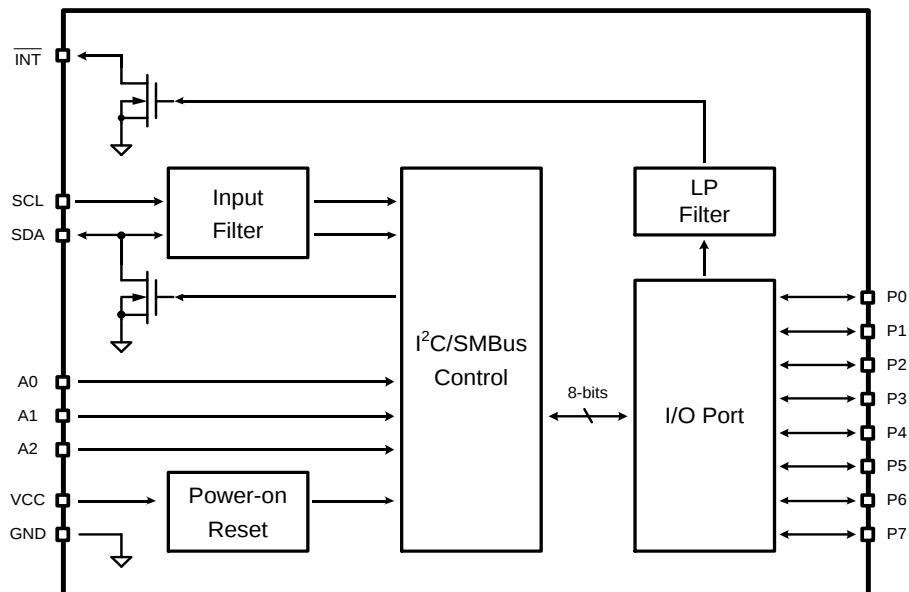
3 Description

GXA574 provides general purpose parallel input and output (GPIO) expansion. Port data is transmitted through the standard two-wire I²C protocol, and can support a communication rate of up to 1MHz (up to 2MHz after turning on the high-speed mode).

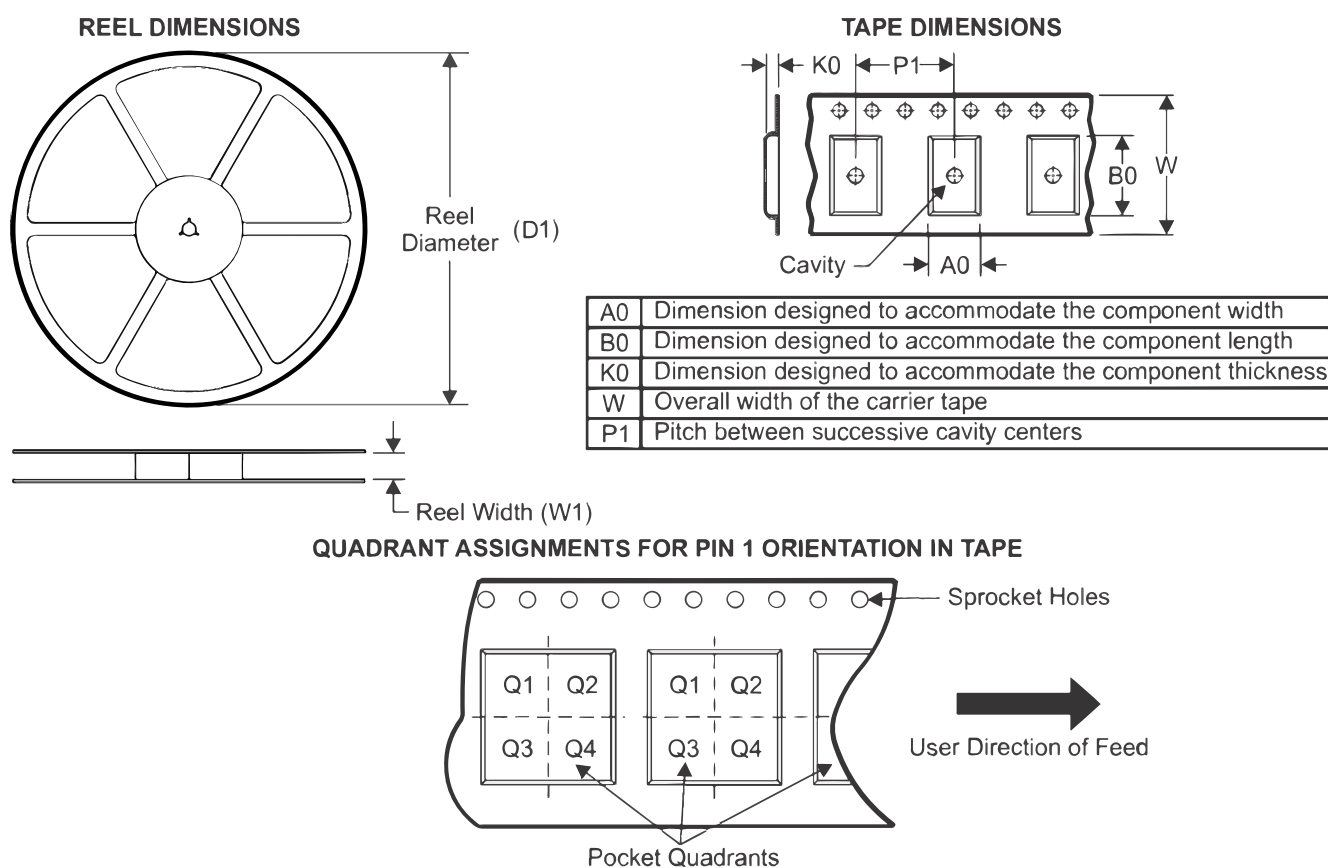
GXA574 features 8-bit quasi-bidirectional GPIO ports that can directly drive LEDs. Each GPIO port can be used as an input or output port independently without any direction control signal.

Package Information

PART NUMBER	PACKAGE	BODY SIZE
GXA574U	TSSOP (20)	6.50 mm x 4.40
GXA574Q	QFN (16)	3.00 mm x 3.00
GXA574	SOW (16)	10.30 mm x 7.50



9.4 Reel and Tape Information



PACKAGE	D1 (mm)	W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1
TSSOP (20)	330	16.4	6.80	6.90	1.50	8.00	16.00	Q1
QFN (16)	180	13.2	3.20	3.20	1.05	4.00	12.00	Q1
SOW (16)	330	16.4	10.90	10.80	3.00	12.00	16.00	Q1

Note: All the above dimensions are in millimeters.

10 Ordering Information

ORDER CODE	DEVICE	PACKAGE	QUANTITY	NOTES
GXA574U-T&R	GXA574U	TSSOP (20)	4500	Tape&Reel
GXA574Q-T&R	GXA574Q	QFN (16)	3000	Tape&Reel
GXA574-T&R	GXA574	SOW (16)	1500	Tape&Reel