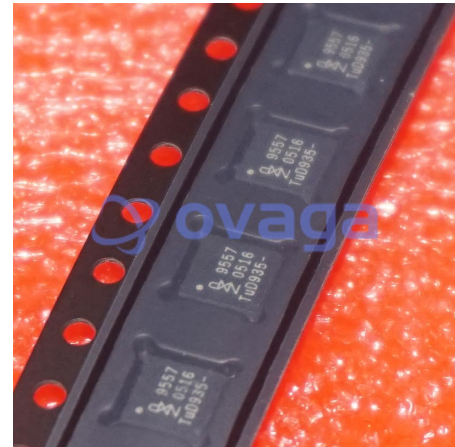


8-bit I2C-bus and SMBus I/O port with reset

Manufacturers	<a href="#">NXP Semiconductor</a>
Package/Case	QFN-16
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for PCA9557BS or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

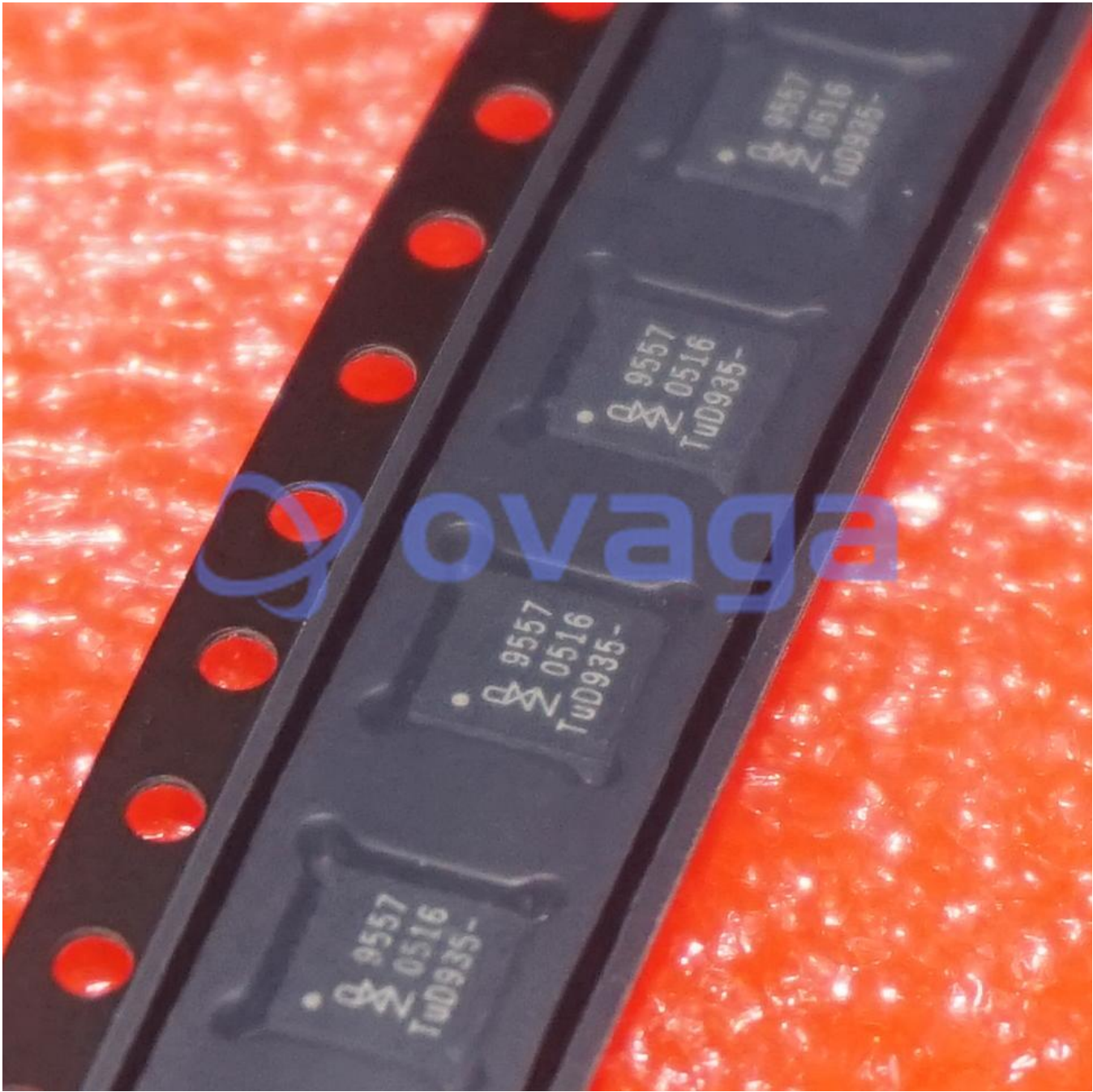
PCA9557BS is a 8-bit I/O expander with an I2C-bus interface from NXP Semiconductors. It provides 8 general-purpose, low-power, and bidirectional I/O pins that can be configured for input or output. The device is designed to minimize the I/O pin count required in a given system.

## Features

- 8-bit remote I/O expander for the two-line bidirectional bus (I2C)
- Low standby current consumption of 1.0  $\mu$ A
- Active current consumption of 1.6 mA at 100 kHz and 5.5 V
- Schmitt-trigger action allows for slow input transition and better noise immunity
- Internal power-on reset
- Noise filter on SCL/SDA inputs

## Application

- LED lighting control
- Keypad and push-button interfaces
- Portable electronics
- PC peripherals
- Battery-powered equipment
- Industrial control
- Sensor interfacing



### Related Products



#### [LPC4088FBD208](#)

NXP Semiconductor  
LQFP208



#### [P89LPC922FDH](#)

NXP Semiconductor  
TSSOP-20



#### [LPC2106FBD48](#)

NXP Semiconductor  
LQFP-48



#### [PCA8565TS/1](#)

NXP Semiconductor  
MSOP-8



[LPC11U68JBD100](#)

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QFP-100



[LPC2420FBD208](#)

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208-LQFP



[PCF8523T/1](#)

NXP Semiconductor  
SOIC-8



[LPC932A1FDH](#)

NXP Semiconductor  
TSSOP28