

Hot swappable I2C-bus and SMBus bus buffer

| | |
|---------------|-----------------------------------|
| Manufacturers | NXP Semiconductor |
| Package/Case | MSOP-8 |
| Product Type | Integrated Circuits (ICs) |
| RoHS | |
| Lifecycle | |



Images are for reference only

Please submit RFQ for PCA9511AD or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

PCA9511AD is a dual bidirectional I2C-bus and SMBus repeater that enables I2C-bus and SMBus devices to be connected over longer distances and at higher speeds. It is a product of NXP Semiconductors, which is a leading manufacturer of semiconductors and other electronic components.

Features

Dual bidirectional I2C-bus and SMBus buffer

Voltage level translation: 2.5 V/3.3 V to 5 V

Active-high repeater enable input

I2C-bus and SMBus compatible

400 kHz Fast I2C-bus operation

Level shifting for open-drain interfaces

Low standby current consumption of 5 μ A

ESD protection exceeds 2000 V HBM per JESD22-A114 and 1000 V CDM per JESD22-C101

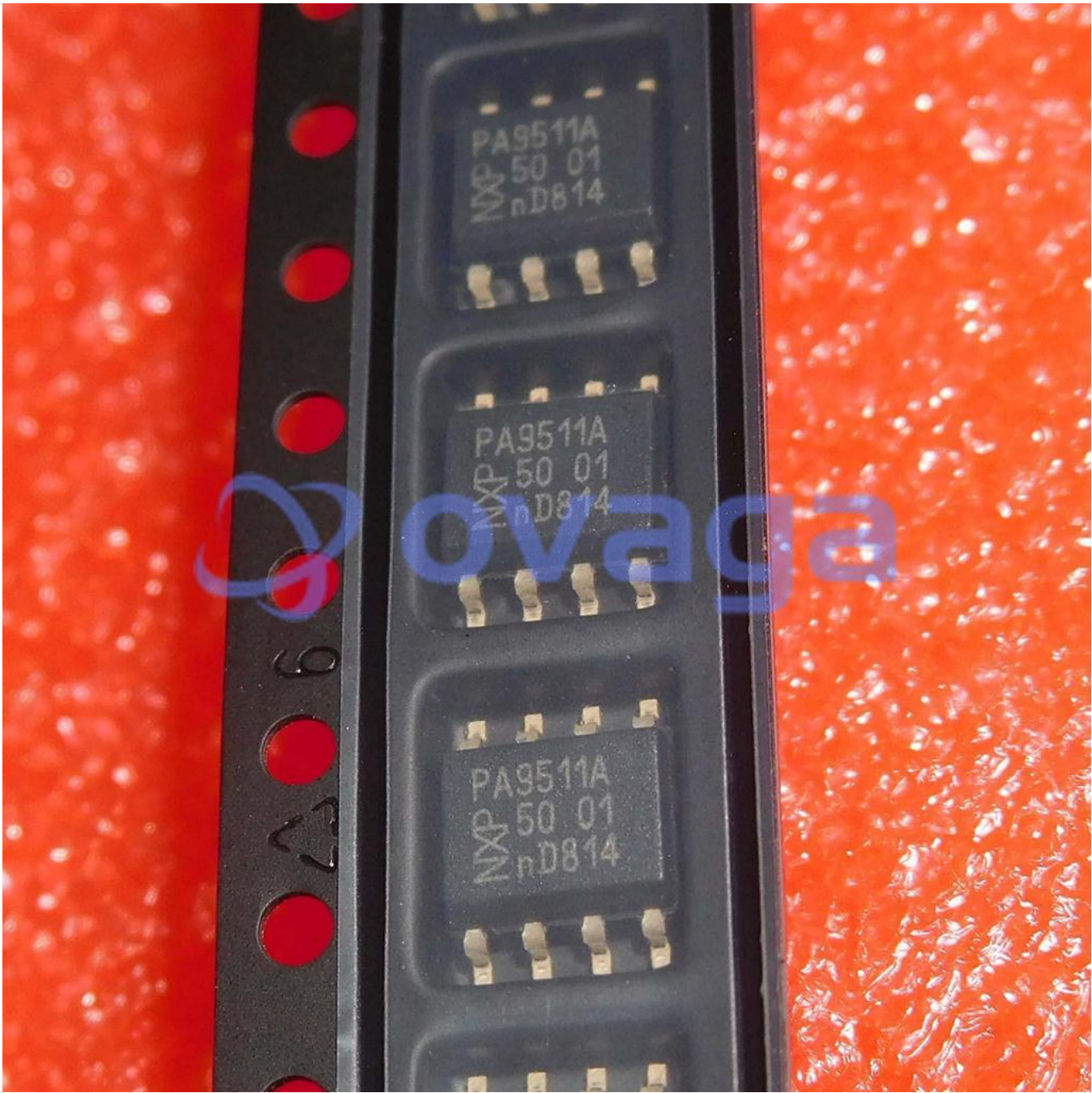
Application

Extending the range of I2C-bus and SMBus systems

Multiplexing I2C-bus or SMBus signals

Level translation between different voltage domains

Isolation of noisy or faulty parts of the system



Related Products



[LPC4088FBD208](#)

NXP Semiconductor
LQFP208



[P89LPC922FDH](#)

NXP Semiconductor
TSSOP-20



[LPC2106FBD48](#)

NXP Semiconductor
LQFP-48



[PCA8565TS/1](#)

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[LPC11U68JBD100](#)

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QFP-100



[LPC2420FBD208](#)

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208-LQFP



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SOIC-8



[LPC932A1FDH](#)

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