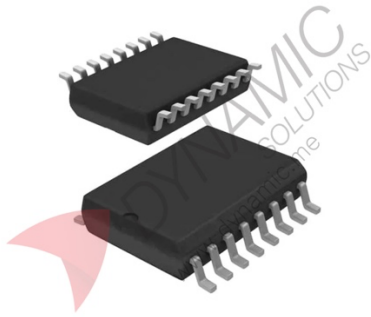


PCF8574 Remote 8-Bit IO Expander for I2C Bus IC



Features:

The PCF8574 Remote 8-Bit IO Expander IC is a silicon CMOS I2C-bus to parallel port expander that provides general-purpose remote I/O expansion for most microcontroller families. It includes an 8-bit quasi-bidirectional port, latched outputs with high current drive capability, low standby current consumption, hardware address selection, and an interrupt output for informing the microcontroller when input data changes.

Specifications	
Part Number	PCF8574
Device Type	Remote 8-bit I/O expander IC
Interface	I2C bus
Bus Lines	SCL and SDA
Operating Supply Voltage	2.5V to 6V
I/O Port	8-bit quasi-bidirectional port
Standby Current	10 uA maximum
Interrupt Output	Open-drain INT output
Output Type	Latched outputs with high current drive capability
LED Drive	Can directly drive LEDs
Address Selection	3 hardware address pins
Device Expansion	Up to 8 devices, up to 16 with PCF8574A
Microcontroller Compatibility	Compatible with most microcontroller families
Applications	Remote I/O expansion, LED driving, microcontroller I/O expansion, I2C digital control
Usage	Adding 8 remote input and output ports to microcontroller circuits using the I2C bus

Pinouts:

Pin Number	Pin Name	Description
1	A0	Address input 0
2	A1	Address input 1
3	A2	Address input 2
4	P0	I/O port 0
5	P1	I/O port 1
6	P2	I/O port 2
7	P3	I/O port 3
8	GND	Ground

9	P4	I/O port 4
10	P5	I/O port 5
11	P6	I/O port 6
12	P7	I/O port 7
13	INT	Interrupt output
14	SCL	Serial clock line
15	SDA	Serial data line
16	VCC	Supply voltage



Product Pictures:

