

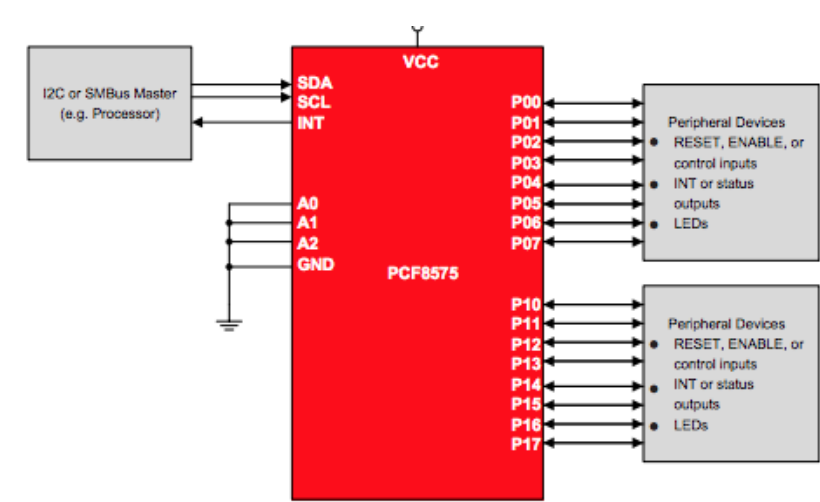
IO Expander - PCF8575

Overview

The PCF8575 is a **16-bit I/O expander** for the two-line bidirectional bus (**I2C**) is designed for **2.5-V to 5.5-V VCC operation**.

The PCF8575 device provides general-purpose remote I/O expansion for most microcontroller families by way of the I2C interface [serial clock of up to Eight Devices (SCL), serial data (SDA)].

The device features a 16-bit quasi-bidirectional input/output (I/O) port (P07–P00, P17–P10), including latched outputs with high-current drive capability for directly driving LEDs. Each quasi-bidirectional I/O can be used as an input or output without the use of a data-direction control signal. **At power on, the I/Os are high.**

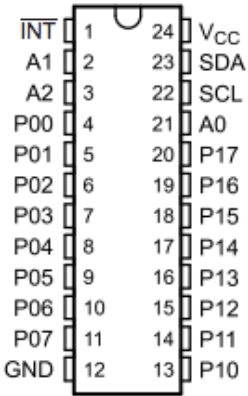


Specifics

Property	Details
IOs	16
Voltage	2.5-6v
High Output Max Amperage	8mA

Pin Out

**DB, DBQ, DGV, DW, OR PW PACKAGE
(TOP VIEW)**



References

Reference	URL
Texas Instruments Data Sheet	http://www.ti.com/lit/ds/symlink/pcf8575.pdf