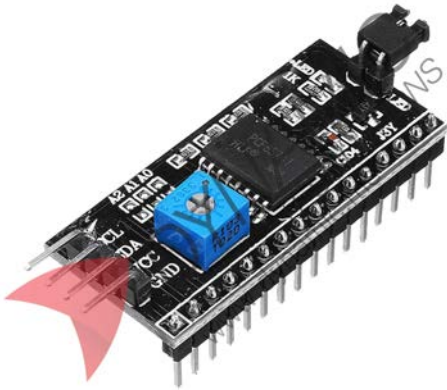


Serial Interface I2C Module



Features:

The I2C Serial Interface Adapter Module, featuring the PCF8574 I/O expander, enables easy connection of 16x2 LCD displays to microcontrollers using the I2C bus. It reduces the pin usage to only SDA and SCL lines while offering configurable addressing for up to eight devices on one bus. The onboard jumpers allow selection of I2C addresses and control of the LCD backlight, making it ideal for space-saving and efficient designs in embedded systems.

Specifications	
Model	I2C Serial Interface Adapter Module
Operating Voltage	5V DC
Communication Interface	I2C (Serial to Parallel)
Controller Chip	PCF8574
I2C Address Range	0x20–0x27
Default Address	0x20
Maximum Devices per Bus	8
Adjustable Jumpers	A0, A1, A2 for address selection
Backlight Control	Onboard jumper
Compatible LCD	16x2 LCD (HD44780)
Usage	LCD display control, I2C communication, embedded projects

Pinouts:

Pin Name	Type	Description
GND	Power	Ground
VCC	Power	Voltage Input (5V)
SDA	I2C Data	Serial Data Line
SCL	I2C Clock	Serial Clock Line
A0	Jumper	I2C Address Selection 1
A1	Jumper	I2C Address Selection 2
A2	Jumper	I2C Address Selection 3
Backlight	Jumper	Controls LCD backlight power

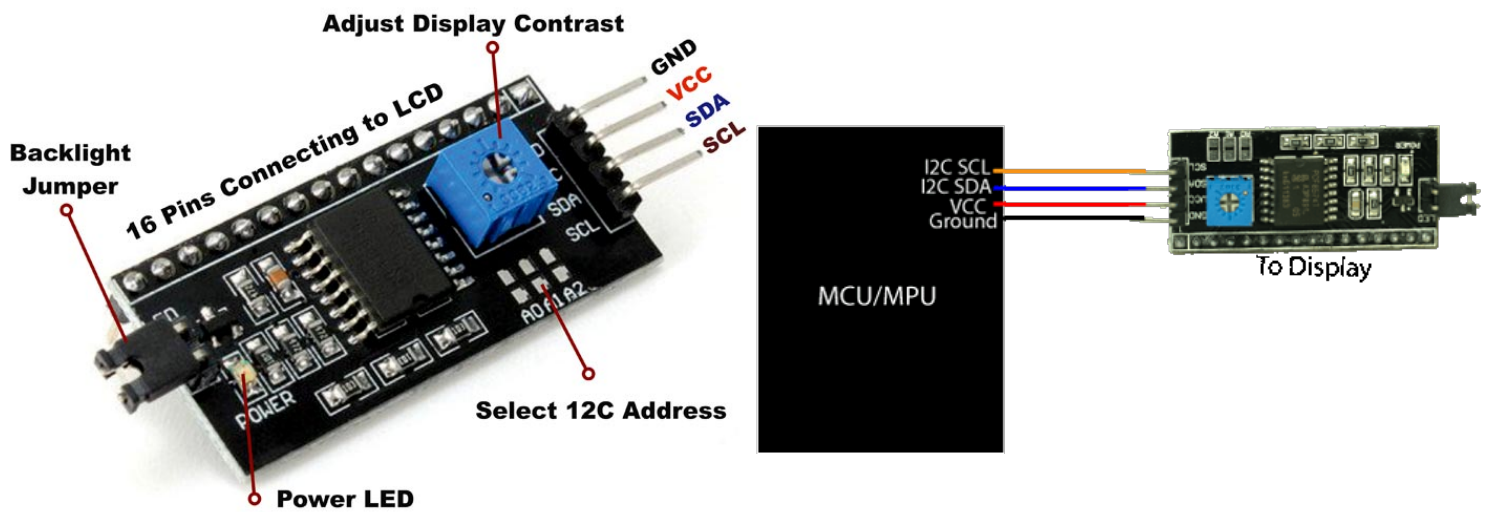


Table of I2C Serial Interface Adapter Module:

A0	A1	A2	Address
Open	Open	Open	0x27
Jumper	Open	Open	0x26
Open	Jumper	Open	0x25
Jumper	Jumper	Open	0x24
Open	Open	Jumper	0x23
Jumper	Open	Jumper	0x22
Open	Jumper	Jumper	0x21
Jumper	Jumper	Jumper	0x20

Product Dimensions:

