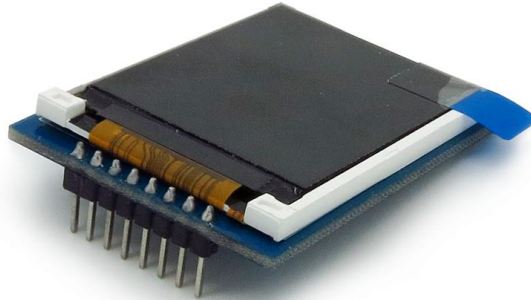


## Overview



ITBD02-1.8SP is a 1.8" TFT LCD module with 262K colors 128 x 160 resolutions. The display interface is serial, so it just need 5 wires (CS,RS,SCL,SDA,RST) for controlling. The controller of this LCD module is ST7735.

## Specifications

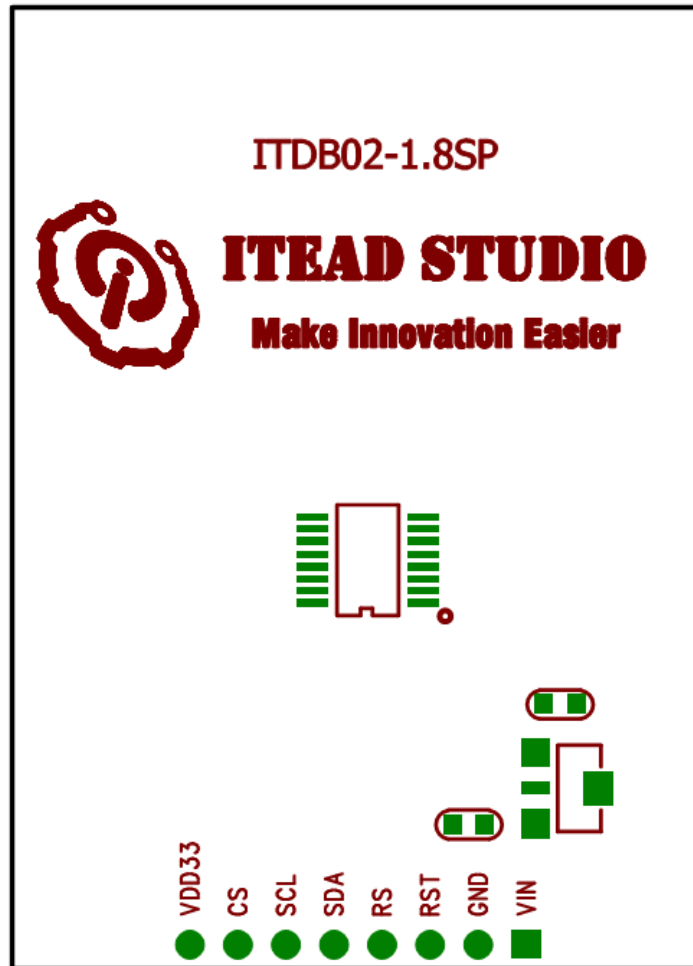
PCB size	45.8mm X 34.0mm X 1.6mm
Power supply	5/3.3V DC
RoHS	Yes

## Electrical Characteristics

Specification	Min	Type	Max	Unit
Power Voltage 5V	4.5	5	5.5	VDC
Power Voltage 3.3V	3.0	3.3	3.6	
Output Voltage	Target Voltage = 3.3V			
VH	3	3.3	3.6	V
	Target Voltage = 5V			
VH	4.5	5	5.5	
Output Voltage VL:	-0.3	0	0.5	V

Current Consumption	-	20	40	mA
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## Hardware



Bottom View

Pin Map

Pin	Type*	Description
VIN	P	5V Power Supply pin
GND	G	Ground
RST	I	Reset, Low level active
RS	I	Data/Command selection
SDA	I	Serial data input
SCL	I	Serial clock input
CS	I	Chip Selection, Low level active
VDD33	P	3.3V Power Supply pin

\* : P: Power supply; G:Ground; I:Input; O:Output;

The ITDB02\_1.8SP uses the ST7735 controller

## Revision History

Rev.	Description	Release date
v1.0	Initial version	2012-04-25