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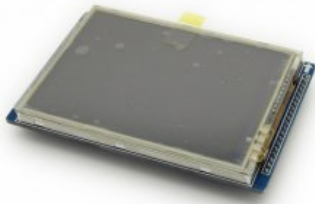
## 2.8" Touch Screen TFT LCD with SPI interface

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• Model: HY28A-LCDB

• Shipping Weight: 50g

• 87 Units in Stock

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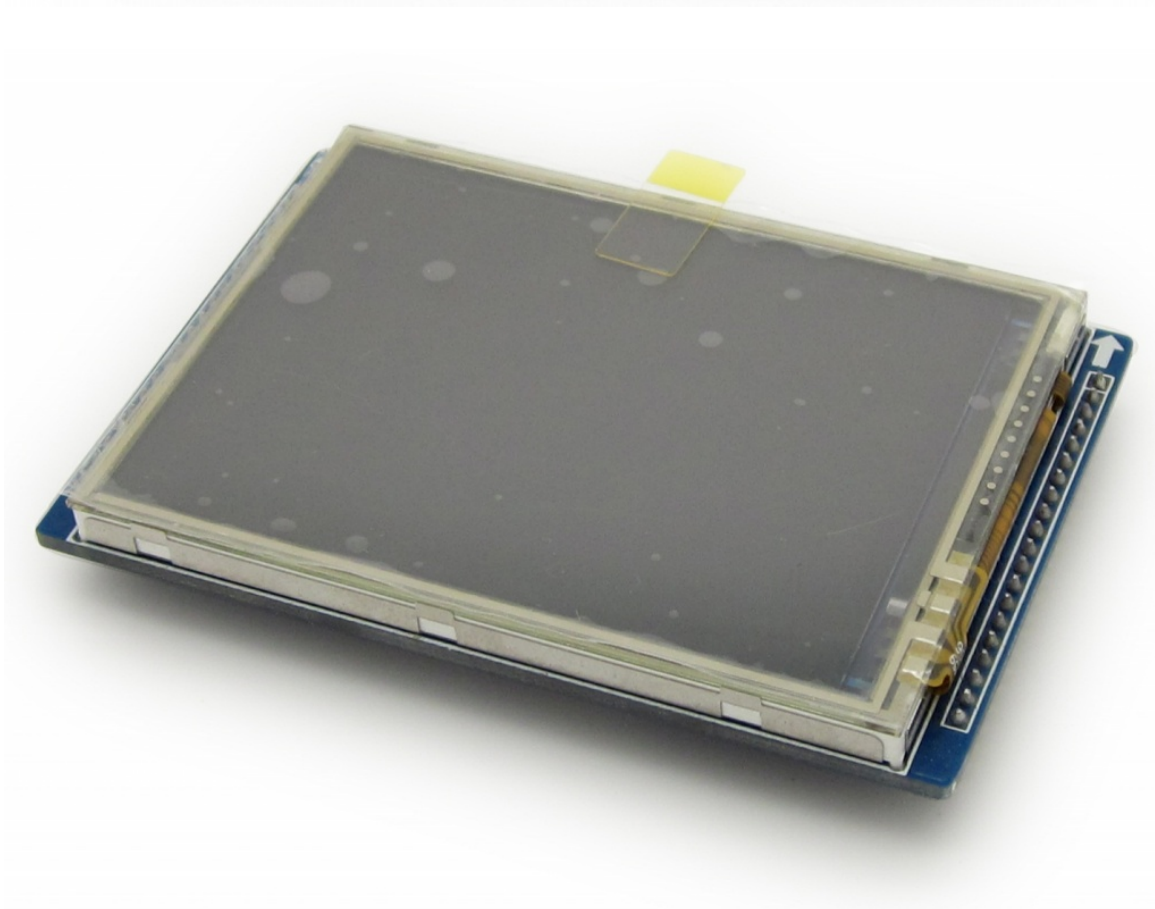
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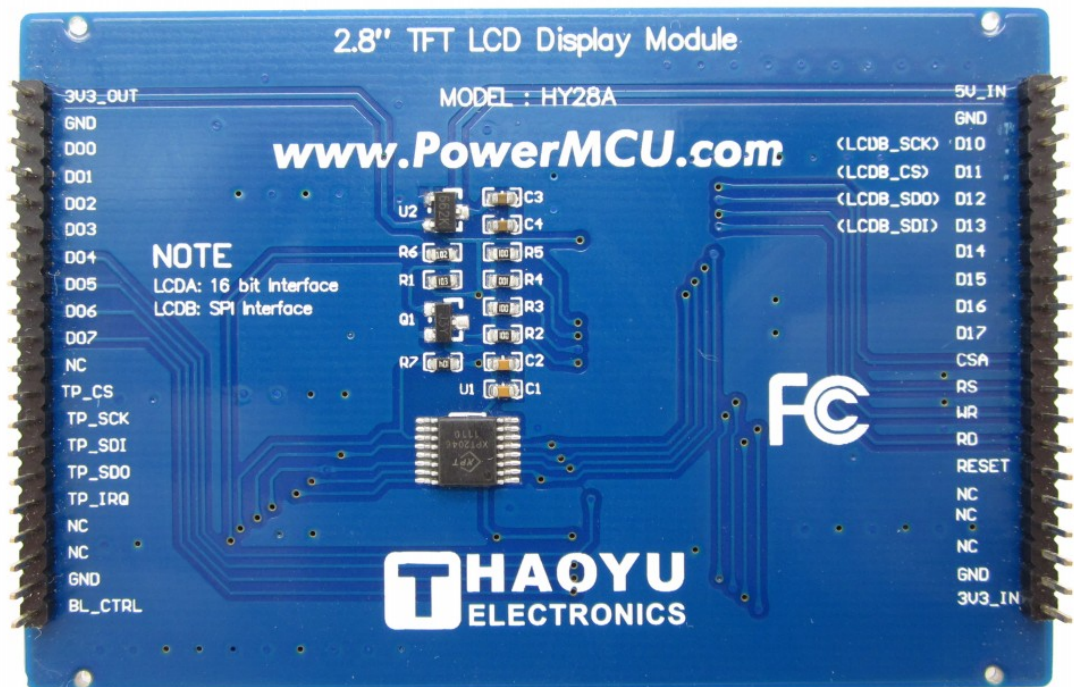
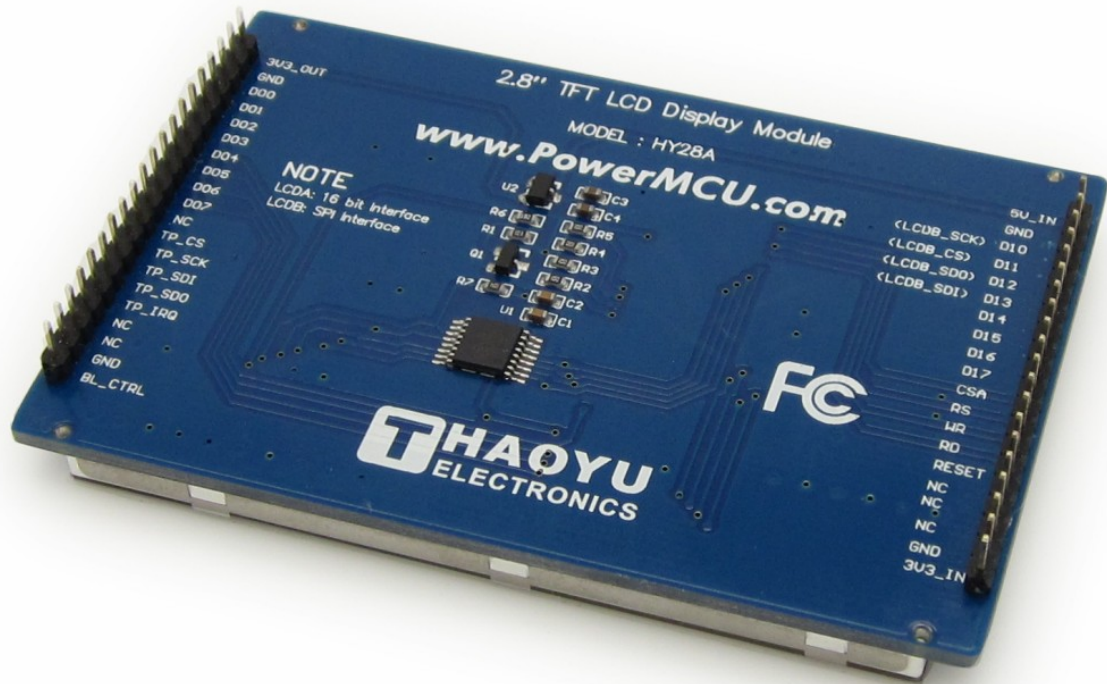
### Description

LCD Controller	ILI9320
Touch Screen Controller	ADS7843 or XPT2046
LCD Type	TFT
LCD Interface	SPI
Touch Screen Interface	SPI
Backlight	LED
Colors	65536
Resolution	320*240
Pin pitch	2.00 mm

1 de 5

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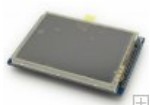
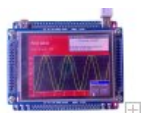


## HY28A-LCDB Pin Description

PIN NO	SYMBOL	DESCRIPTION	FUNCTION
1	5V_IN	5V power supply	When powered from 5V supply, Pin 20 & Pin 21 ( 3V3_IN & 3V3_OUT ) provide 3.3V output.
2	GND	Ground	Power Ground
3	LCDB_SCK	LCD SPI clock	connects to SPI SCK
4	LCDB_CS	LCD chip select	Low active
5	LCDB_SDO	LCD SPI data output	connects to SPI MISO
6	LCDB_SDI	LCD SPI data input	connects to SPI MOSI
7	NC	Not connect	Not connect
8	NC	Not connect	Not connect
9	NC	Not connect	Not connect
10	NC	Not connect	Not connect
11	NC	Not connect	Not connect
12	NC	Not connect	Not connect
13	NC	Not connect	Not connect
14	NC	Not connect	Not connect
15	RESET	Reset the controller chip	Low active
16	NC	Not connect	Not connect
17	NC	Not connect	Not connect
18	NC	Not connect	Not connect
19	GND	Ground	Power Ground
20	3V3_IN	3.3V power supply	3V3_IN = 3V3OUT, When powered from 3.3V supply, 5V_IN keep NC.
21	3V3_OUT	3.3V power supply	3V3_IN = 3V3OUT, When powered from 3.3V supply, 5V_IN keep NC.
22	GND	Ground	Power Ground
23	NC	Not connect	Not connect
24	NC	Not connect	Not connect
25	NC	Not connect	Not connect
26	NC	Not connect	Not connect
27	NC	Not connect	Not connect
28	NC	Not connect	Not connect
29	NC	Not connect	Not connect
30	NC	Not connect	Not connect
31	NC	Not connect	Not connect
32	TP_CS	Touch screen chip select	Low active
33	TP_SCK	Touch screen SPI clock	connects to SPI SCK
34	TP_SDI	Touch screen data input	connects to SPI MOSI
35	TP_SDO	Touch screen data output	connects to SPI MISO
36	TP_IRQ	Touch screen interrupt	Low level while the touch screen detects pressing
37	NC	Not connect	Not connect
38	NC	Not connect	Not connect
39	GND	Ground	Power Ground
40	BL_CTRL	Backlight brightness adjustment	Control the backlight brightness via PWM

**Document**[HY28A PCB.lib](#)[HY28A dimension.pdf](#)[HY28A LCD module Schematic.pdf](#)[HY28A-LCDB example source code.rar](#)[HY28A-LCDB MDK project for LPC1768.rar](#)

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