3.2" Touch Screen TFT LCD with 16 bit parallel interface
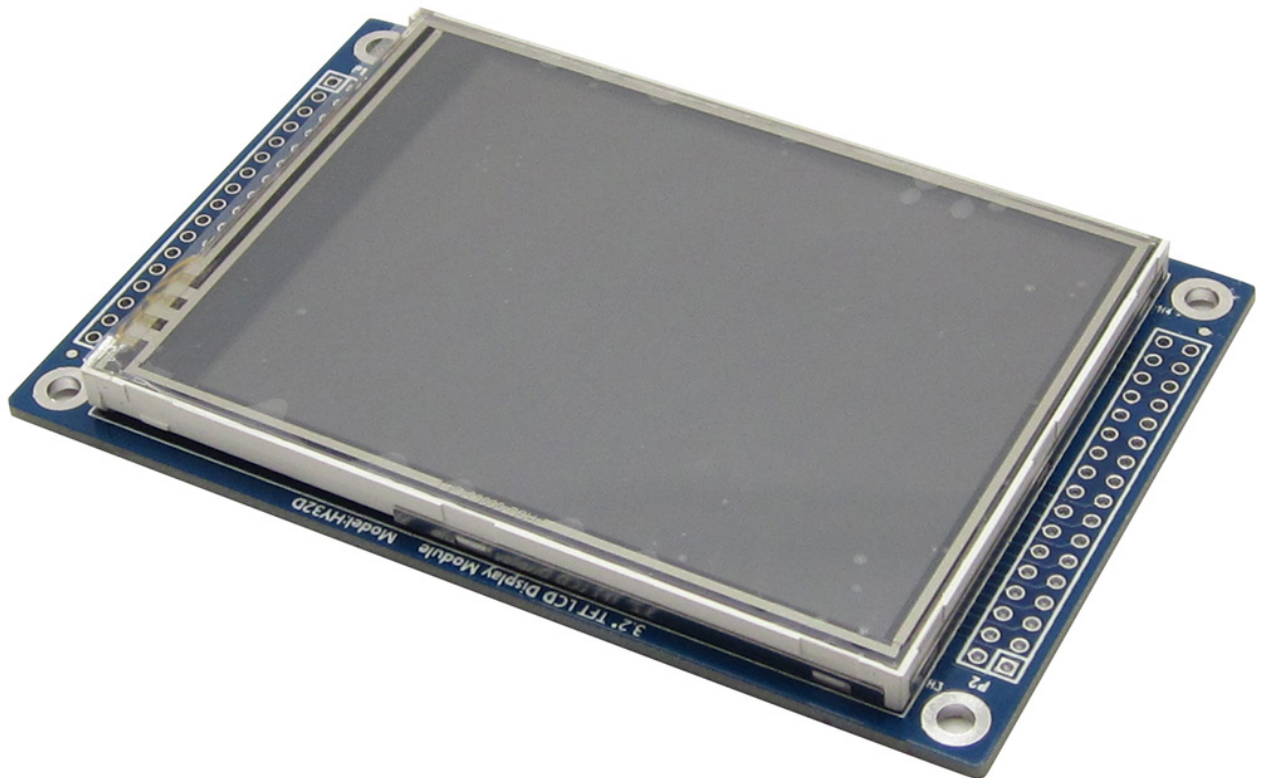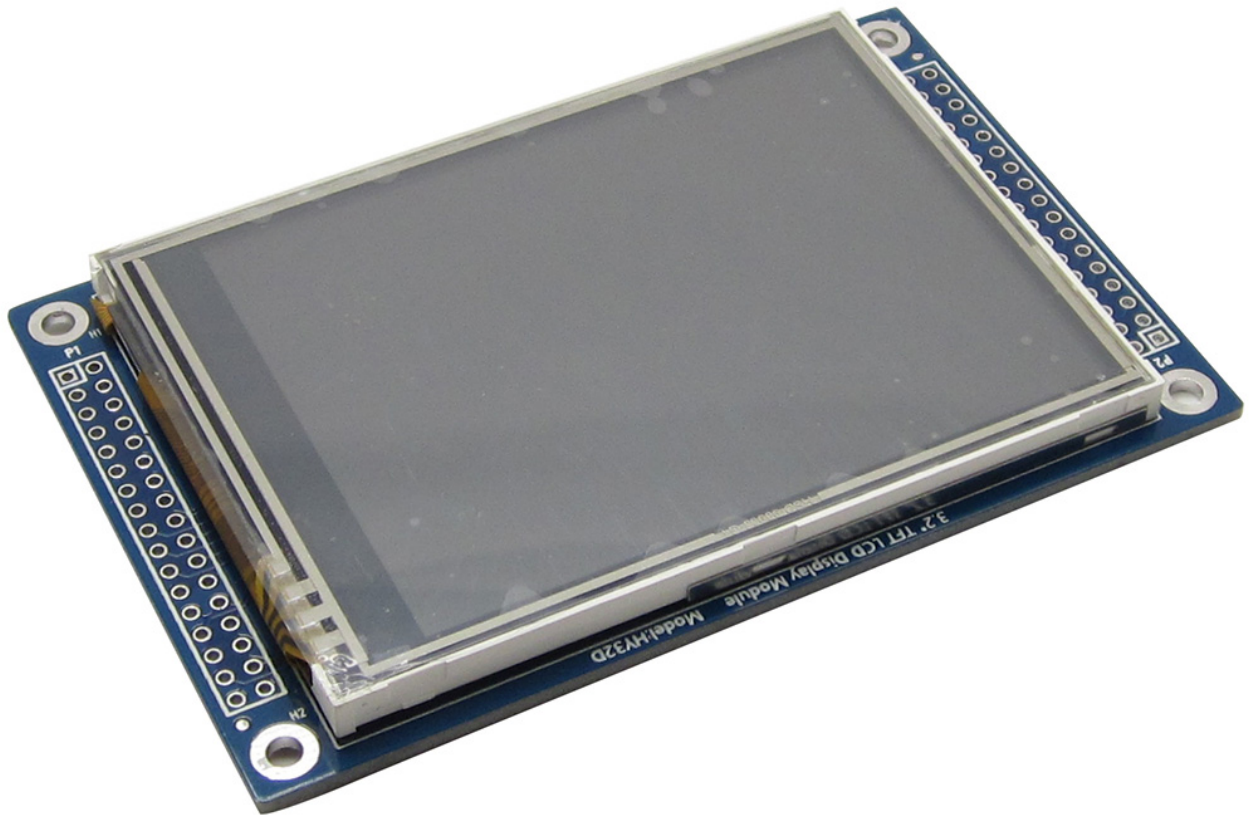
- Model: HY32D
- Shipping Weight: 60g
- 1166 Units in Stock
- Manufactured by: HAOYU Electronics

larger image

Description

LCD Controller	SSD1289
Touch Screen Controller	ADS7843 or XPT2046
LCD Type	TFT
LCD Interface	16-bit parallel
Touch Screen Interface	SPI
Backlight	LED
Colors	65536
Resolution	320*240

Pin Description

PIN NO	SYMBOL	DESCRIPTION	FUNCTION
1	5V	5V power supply	When powered from 5V supply, Pin 1 & Pin 2 as power input, Pin 33 & Pin 34 provide 3.3V output.
2	GND	Ground	Power Ground
3	D0	Data lines	D0 - D15
4	D1		
5	D2		
6	D3		
7	D4		
8	D5		
9	D6		
10	D7		
11	D8		
12	D9		
13	D10		
14	D11		
15	D12		
16	D13		
17	D14		
18	D15		
19	CS	LCD chip select	Low active
20	RS	Instruction/Data register selection	RS = 1 : Instruction Register RS = 0 : Data Register
21	WR	Write	WR = 0, RD = 1
22	RD	Read	WR = 1, RD = 0
23	RESET	Reset the controller chip	Low active
24	NC	Not connect	Not connect
25	BLVCC	must be 5V	Backlight VCC
26	BLGND	Ground	Backlight GND
27	BLCNT	Backlight brightness adjustment	Control the backlight brightness via PWM
28	TP_IRQ	Touch screen interrupt	Low level while the touch screen detects pressing
29	TP_CS	Touch screen chip select	Low active
30	TP_SCK	Touch screen SPI clock	connects to SPI SCK
31	TP_SI	Touch screen data input	connects to SPI MOSI
32	TP_SO	Touch screen data output	connects to SPI MISO
33	3.3V	3.3V power supply	When powered from 3.3V supply, Pin 33 & Pin 34 as power input, Pin 1 & Pin 2 keep NC.
34	GND	Ground	Power Ground
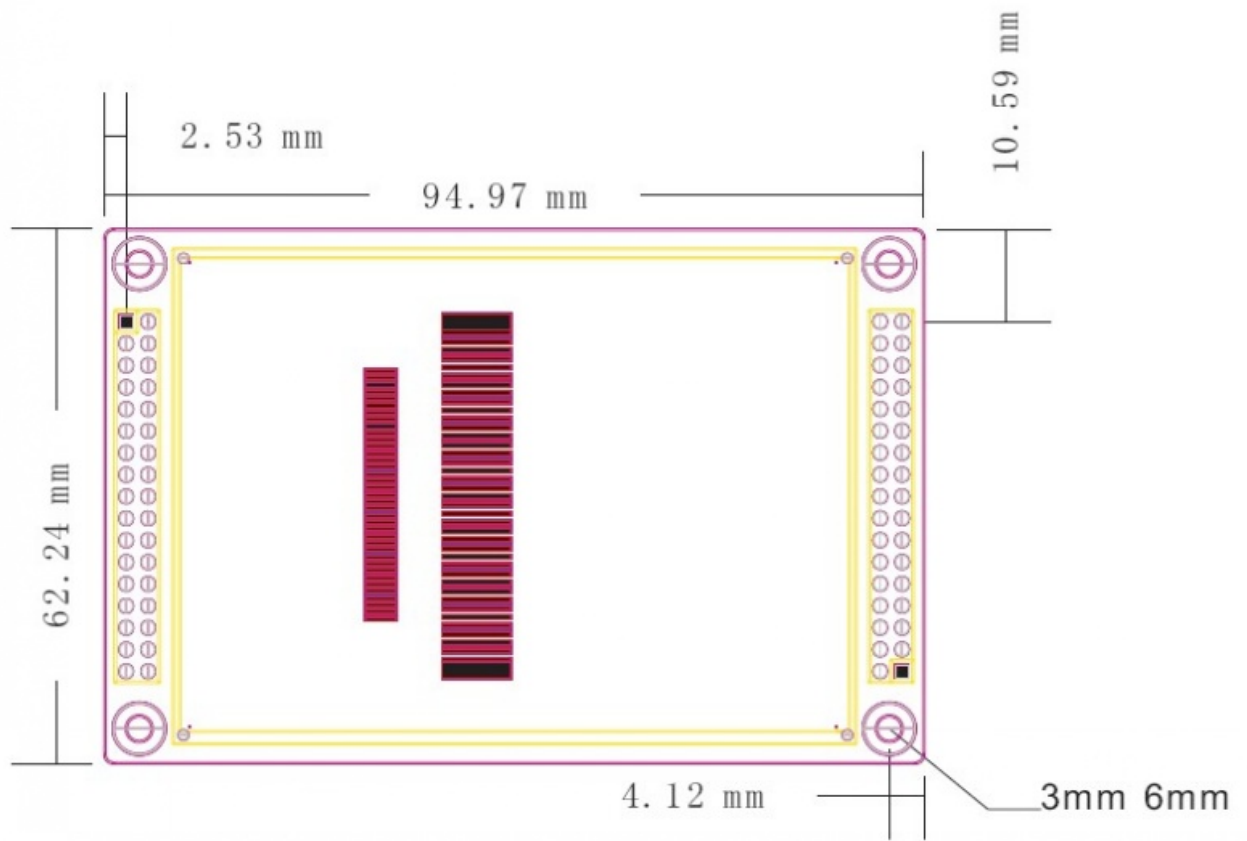
Document
MDK project for STM32.rar
example source code for STM32.rar
HY32D LCD module Frame.PCB
HY32D LCD module Schematic.pdf