ShenZhen, China

Chenghao/Oem

CH350HV16A

/

T/T

ROHS ISO9001 CE

7-15 working days

300Kpcs/month

ST7796S

All the products are packed in right way to keep it safe. For small sizes of products we use tray + carton, For bigger sizes we use foam slot + carton. we also design packages according to customers' requirements

320x480 Serial Lcd Display Module SPI MCU RGB MIPI Multi Interface

Basic Information

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity: 100 pcs
- Price:

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- Packaging Details:
- Delivery Time:
- Payment Terms:
- Supply Ability:
- Cupply / tolity.

Product Specification

- Product Name:
- Driver IC:
- Module Size:
- Active Area:
- Dot Pitch:
- Interface:
- Operating Temperature:
- Highlight:
- 55.66(W)×85.04(H)×2.4(T) Mm 48.96(W)×73.44(H) Mm 0.153(W)×0.153(H) Mm SPI MCU RGB MIPI -20 ~ +70 °C Multi Interface Tft Lcd Panel,

320x480 Serial Lcd Display Module

CH350HV16A Lcd Display Module, ROHS Protection Lcd Display Module



Product Description

320x480 Serial Lcd Display Module SPI MCU RGB MIPI Multi-Interface

1. Specification of 3.5 inch tft lcd panel

ITEM	STANDARD VALUES	UNITS
LCD type	3.5"TFT	
Dot arrangement	320(RGB)× 480	dots
Driver IC	ST7796	
Module size	55.66(W)×85.04(H)×2.4(T)	mm
Active area	48.96(W)×73.44(H)	mm
Dot pitch	0.153(W)×0.153(H)	mm
Operating temperature	- 20 ~ + 70	°C
Storage temperature	- 30 ~ + 80	°C
Back Light	6 White LED in serial	
Weight	TBD	g

2. Description of 320*480 tft lcd panel

ChengHao Display model CH350HV16A is a color active matrix TFT (thin film transistor) LCD (liquid crystal display) that uses amorphous silicon TFT as a switching devic, mainly including a Tn TFT Lcd Panel, driver IC, backlight (BL) and FPC several part.

The Tft Lcd Panel has a color display area with a diagonal measurement of 3.5 inch, which can display 320*480 resolution images.

The driver IC used is ST7796, which is mounted on glass and interconnected with other components through FPC. Support SPI/MCU/RGB/MIPI Multi-interface.

The FPC and BL can be customized according to customer needs, including the brightness of BL, the shape and structure of FPC, etc.

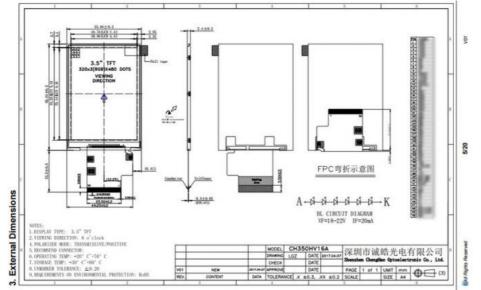
In addition, CH350HV16A supports the installation and removal of touch functions, such as capacitive touch panel and Resistive touch panel.

Comply with CE and ROSH standards.

3. Drawings of 3.5 inch tft lcd display

Notes:

- (1) Display Type : 3.5 inch tft
- (2) Viewing Direction : 6:00
- (3) Polarizer Mode : Transmission / Positive
- (4) Operating Temp : -20~70 °C
- (5) Storage Temp : -30~80 °C
- (6) Unmarker Tolerance: ±0.20
- (7) Protection : ROHS



4. Application of 3.5 inch Tn TFT Display



5. Absolute Maximum Ratings

Item	Symbol	Min.	Max.	Unit
Logic Supply Voltage	IOVCC	-0.3	4.6	V
AnalogSupply Voltage	VCI	-0.3	4.6	V
Input Voltage	Vin	-0.5	IOVCC+0 .5	V
Operating Temperature	TOP	-20	70	°C
Storage Temperature	TST	-30	80	°C
Storage Humidity	HD	20	90	%RH

6. Quick detail of 3.5 inch tft screen module

Diagonal Display Size: 3.5 inch Interface Type: 4-lines_8bit / 3-lines_9bit SPI 8-/9-/16-/18-bit8080-series system interface 16-/18-bitRGB interface MIPI Resolution: 320(RGB)x480 pixels Touch Screen: No Backlight Type: LED Display Mode: Tn / Transmissive Dimensions:55.66(W)×85.04(H)×2.4(T) mm Display Matrix Technology: TFT Minimum Operating Temperature: -20°C Maximum Operating Temperature: +70°C Brightness: 300 cd/m² Number of Colours:262K/65K Standards Met: CE, RoHS Compliant Response Time: 10ms Operating Temperature Range: -20 \rightarrow +70°C Contrast Ratio: 500 Display Type: LCD TFT FPC Number: 50 Driver IC : ST7796

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