

# 3.5 Inch Low Power LCD Display Module 320x480 Resolution With SPI Interface

## **Basic Information**

Place of Origin: ShenZhen, China
Brand Name: Chenghao/Oem
Certification: ROHS ISO9001 CE
Model Number: CH350HV47A
Minimum Order Quantity: 100 pcs
Price: Negotiation

Price: Negotiation Packaging Details: 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

Delivery Time: 7-15 working days

• Payment Terms: T/T

Supply Ability: 300Kpcs/month



# **Product Specification**

Product Name: Low Power Lcd Display Module

• LCD Type: 3.5" IPS

Dot Arrangement: 320(RGB)×480 Dots
 Color Filter Array: RGB Vertical Stripe

Display Mode:
 IPS / Transmission / Normally Black

Viewing Direction: 80/80/80/80Driver IC: ST7796S

• Highlight: IPS Transmission Lcd Display Module,

SPI Interface Lcd Display Module, Transmission IPS Lcd Display



### **Product Description**

3.5 Inch Low Power Lcd Display Module 320x480 Resolution With SPI Interface

#### 1. Specification

MODEL NO.	CH350HV47A
Module type	3.5"TFT
Display Mode	IPS / Transmissive / Normally Black
Number of Dots	320*480
Viewing Direction	80/80/80/80
Module size	53.16(W)×81.74(H)×2.17(T) mm
TFT Active area	48.96(W)×73.44(H) mm
TFT Dot pitch	0.153(W)×0.153(H) mm
Interface	4line 8bit SPI
Backlight Type	White LED
Luminace	250 cd/m2

### 2. Description

ChengHao TFT LCD CH350HV47A is a color active matrix thin film transistor (TFT) liquid crystal display (LCD) that uses amorphous silicon TFT as a switching device. This model is composed of a TFT LCD panel, a driving IC, a back-light and FPC. This TFT LCD has a 3.5 (Horizontal screen) inch diagonally measured active display area with 320\*480 resolution. The driver used for this project is the ST7796S or compatible and can display 16M colors by R.G.B. signal input. The driver is mounted on the glass and the interconnection via FPC including components to drive the display module. Support 4line 8bit SPI interface.

In addition, FPC can also be customized according to customer requirements, such as modifying back-light and FPC structure, interface definition, etc.

RoHS Compliance & Halogen Free.

### 3. Drawings

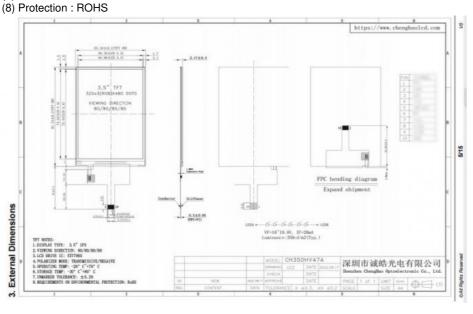
#### Notes:

(1) Display Type: 3.5 inch TFT(2) Viewing Direction: 80/80/80/80

(3) Lcd Drive IC: ST7796S

(4) Polarizer Mode: Transmissive/ Negative

(5) Operating Temp: -20~70 °C (6) Storage Temp: -30~80 °C (7) Unmarker Tolerance: ±0.20



# 4. Quick Detail

\* LCM name: 3.5 Inch Low Power Lcd Display Module

\* Model: CH350HV47A \* Lcm Size.: 3.5 inch \* Display Type: 3.5" TFT \* Display colors: 262K/65K \* Number of Dots: 320\*480

\* TFT Dot Pitch :0.153(W)×0.153(H) mm

\* Viewing Angle: 80/80/80/80

\* Driver IC: ST7796S

\* Display mode: IPS/ Transmission/ Normally Black \* Module size: 53.16(W)×81.74(H)×2.17(T) mm

- \* TFT Active Area: 48.96(W)×73.44(H) mm
- \* Luminance: 350 cd/m2
- \* Contrast: 800:1
- \* TFT Interface Type: 4-line\_8bit SPI
- \* Pin Number: 10 pins
- \* Backlight type and color: 6 LED backlight/white

#### 5. Application

























# 6. FAQ

Q:Payment methods?

T/T, Paypal and Western union etc.

For samples: payment in advance.

For mass production: 50% deposit and 50% balance before shipment.

Q: What is the lead time of the products?

A:Samples in stock will be sent within 3 days after payment.

Two to Four weeks for mass production

Q:How long is the warranty period?

A:Generally the warranty period is one year. It depends on different products.

Q:What is the Product MOQ?

A:Different product has the different MOQ, please contact us sales for detailed information.

Q: What's your after-sale service?

A: If any problems, you will get our reply within 24 hours. Solution will be offered instantly by our professional technical team. Q:Can you provide OEM service? A:yes, we can provide both OEM and ODM service can customize products according to the drawings you supply

Q: How can I trust your product quality?

A:The company has advanced the incoming inspection, on-line test and reliability test equipment and system, the company products through the ROHS,CE testing



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