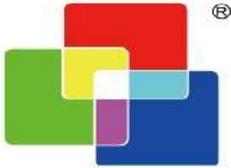


PREPARED BY : (制作人 : ) LH	 <b>EASYQUICK</b> <b>TECHNOLOGY</b> SPECIFICATION 深圳市易快来科技股份有限公司	SPEC No: (规格型号: ) <b>EQT042H</b>
R&D APPROVED BY: (研发核准:) Frank		FILE No : (档案编号 : ) <b>EQ2022121601</b>
QC APPROVED BY: (品质核准)		ISSUE (日期) 2022-12-16  PAGE (页码) 8  APPLICABLE DIVISION (适用范围)  ■ LCD DIVISION

For **HVGA** TFT LCD Module No.

# 4.2 寸 300\*400 全反射黑白屏

## SPEC&IIS

Customer side signature (客户方签名)

部门	签名	Acknowled-ge (承认人)	Date (日期)	Remarks (备注)
	<b>Structure</b> (结构)			
	<b>Electronics</b> (电子)			
	<b>Item</b> (项目)			
	<b>Quality</b> (品质)			

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(易快来科技)

PEC No.	MODEL No.	Revised	PAGE
EQ2022121601	4.2MONO 全反射屏	Ver01	1

EASYQUICK TECHNOLOGY

## 1. Application (应用)

This data sheet is to introduce the specification of **4.2 Mono (black and white)** active matrix with **2Grey** TFT LCD module.

Main color LCD module is controlled by Driver IC **ST7306**

If any problem occurs concerning the items not stated in this specification, it must be solved sincerely by both parties after deliberation.

As to basic specification of driver IC refer to the IC specification and handbook.

本规格书是为了介绍 **4.1mono** 有源矩阵 **2Grey** TFT LCD 模块的规格。

主彩色液晶显示模块由驱动芯片 **ST7306** 控制

本规范未尽事宜如有问题，双方必须认真协商解决。

驱动 IC 的基本规格参照《IC 规格书》和相关《手册》。

## 2. Construction and Outline (结构与大纲)

Construction: LCD panel, Driver (COG), FPC with electric components .

There shall be no scratches, stains, chips, distortions and other external drawbacks that may affect the display function.

In order to realize thin module structure, double-sided adhesive tapes are used to fix LCD panels.

As these tapes do not guarantee to permanently fix the panels, LCD panel may rise from the module when shipped from factory.

So please make sure to design the system to hold the edges of LCD panel by the soft material such as sponge when LCD module is assembled into the cabinet.

结构:液晶面板，驱动或 COG，带电子元件的 FPC。

不应有可能影响显示功能的划痕、污迹、芯片、畸变等外部缺陷。

为了实现薄型模块结构，采用双面胶带固定液晶面板。由于这些胶带不能保证永久有效固定面板，LCD 面板在出厂时可能会从模块内移动。

所以在液晶模块组包装和进柜时，请务必将包装结构设计成用海绵等软材料支撑液晶面板的边缘。

PEC No.	MODEL No.	Revised	PAGE
<b>EQ2022121601</b>	<b>4.2MONO 全反射屏</b>	Ver01	2

EASYQUICK TECHNOLOGY

### 3. Mechanical Specification (参数规格)

Table 1 (表 1)

Item(项目)	Specifications(规格)	Unit (单位)
Screen size (屏幕尺寸)	4.2	inch
Display mode (显示模式)	Mono (BW黑白) Or Mono (RBW黑白红)	-
Active area (显示范围)	63.6(H)x84.8(V)	mm
Display format (分辨率)	300 (H) x 400 (V)	-
Pixel configuration (像素)	0.212(H) x 0.212(V)	-
Outline Dimensions (外形尺寸)	67.6 (H) x 91 (V) x 1.06 (T) (Typ.)	Note 1
View Angle (视角)	60° /60° /60° /60°	
Base color Notes (基色)	Normally White	-
Weight (重量)	TBD	
Driver IC (驱动 IC)	<b>ST7306</b>	

Note 1: Not include FPCs & Bezel extrude structure.

备注 1: 不包括排线和面板构造

## 4. Interface signals (接口信号)

Table 2 (表 2)

Pin No.	Symbol	Description	Remark
1	GND	Ground	
2	GND	Ground	
3	VDDA	LCD power supply	
4	VDDI	Logic voltage	
5	NC	NC	
6	GND	Ground	
7	RSTB	Reset signal	
8	VPP	NC	
9	A0	Data signal	
10	SCLK	SPI CLOCK signal	
11	SDA	SPI data signal	
12	CSB	SPI CHIP select signal	
13	GND	Ground	
14	GND	Ground	
15	NC	NC	
16	NC	NC	

## 4. Optical Characteristics (光学特征)

Table 6 (表 6)

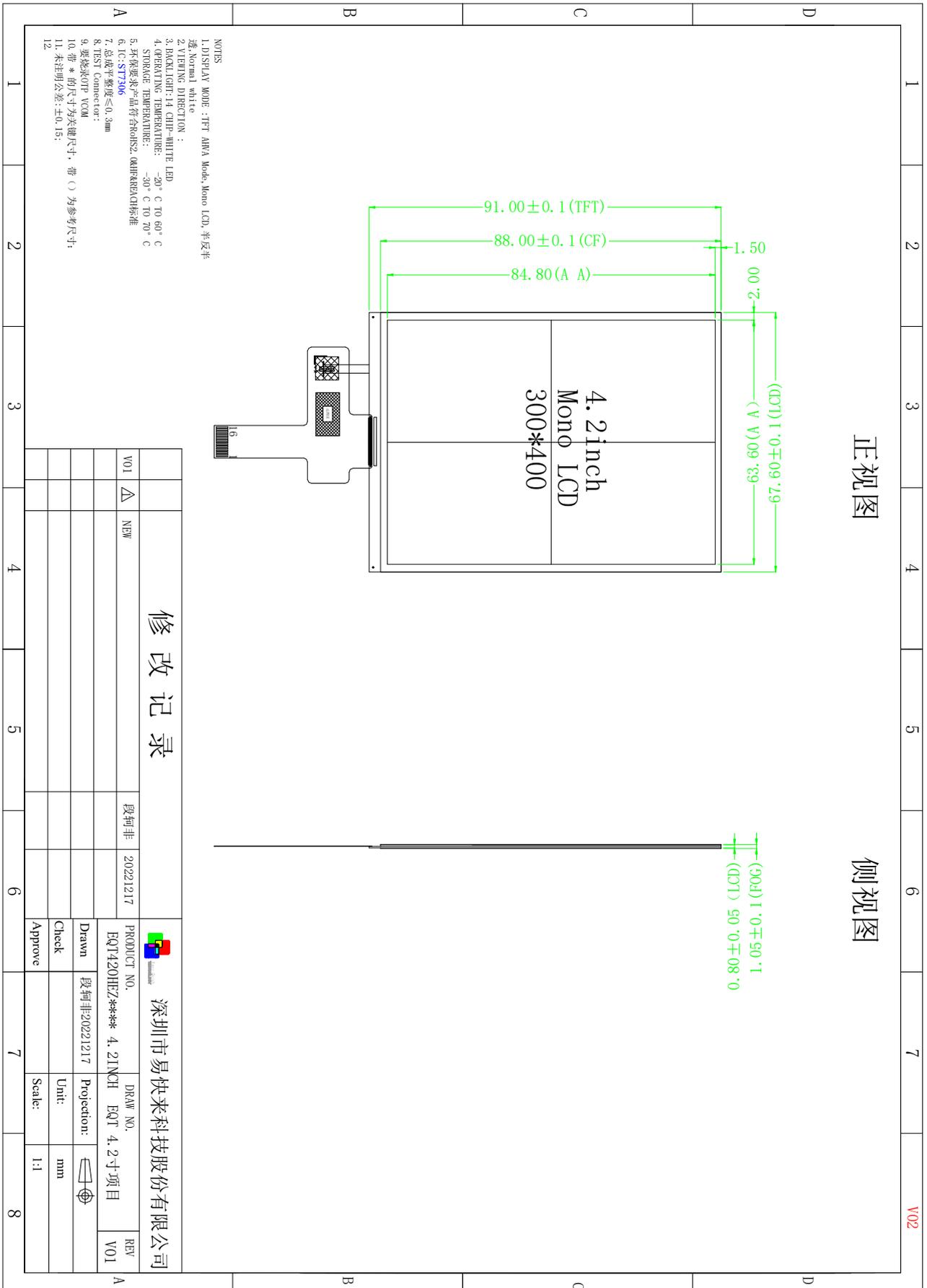
Item 项目		Symbol (样品)	Condition (条件)	Min. (最 小值)	Typ. (标 准值)	Max. (最 大值)	Unit (单 位)	Remark (备注)
Response time (响应时间)	Rise (上升) +Fall (下降)	Tr+Tf	$\theta=0^\circ$	-	TBD		ms	
Contrast ratio (对比度)		CR	$\theta=0^\circ$	-	15	-	-	
Viewing angle(with Polarizer) (视角)	Top (顶部)		CR $\geq$ 10		60		degree	
	Bottom (底部)				60			
	Left (左边)				60			
	Right (右边)				60			
White Chromaticity (白色色度)		X	CIE	-	0.31	-	-	-
		Y		-	0.34	-	-	-
NTSC (色彩饱和度)			-	-	TBD		%	-

PEC No.	MODEL No.	Revised	PAGE
EQ2022121601	4.2MONO 全反射屏	Ver01	4

EASYQUICK TECHNOLOGY

### 5. LCD Module Outline dimensions (模组外形图)

Fig.3 (图3)

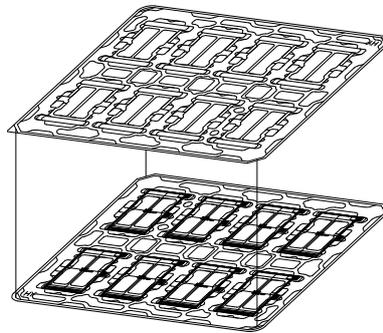
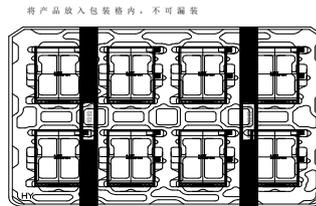
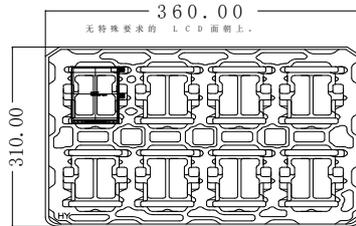


PEC No.	MODEL No.	Revised	PAGE
EQ2022121601	4.2MONO 全反射屏	Ver01	5

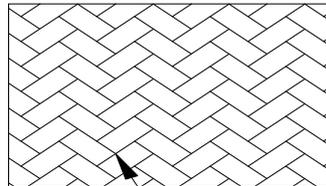
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## 6. Packaging Specification (包装规格)

- 1.1 Package quantity in one Box : 80PCS
- 1.2 Box Size : 380cm\*330cm\*210cm
- 1.3 1 BOX = 1 CARTON
- 1.4 1 CARTON = 10(Full tray) + 1 (dummy / top tray) =11 tray
- 1.5 1 TRAY = 8 PCS LCM



10+1层，最上面的一层不放产品，  
包装盘一定要交叉放置。

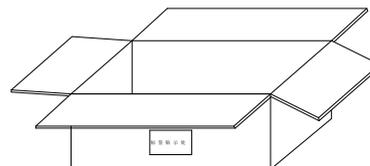
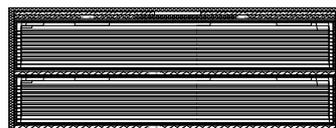


10+1层，  
放入透明 PET 包装袋内  
下面要放一个纸板，



透明胶袋

先在纸箱底下放一个纸板，  
BOX 内放两大包产品，  
两包产品中同放一个纸板，  
上面再放一个纸板



按 BOX 标示处贴上标签