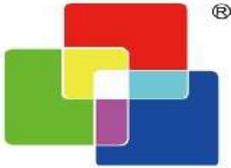


PREPARED BY : (制作人 :) CJJ	 EASYQUICK TECHNOLOGY SPECIFICATION 深圳市易快来科技股份有限公司	SPEC No: (规格型号:) EQTA30HRH001P
R&D APPROVED BY: (研发核准:)		FILE No : (档案编号 :) EQ2022122902
QC APPROVED BY: (品质核准)		ISSUE (日期) 2022-12-29 PAGE (页码) 8
APPLICABLE DIVISION (适用范围) <input checked="" type="checkbox"/> LCD DIVISION <input checked="" type="checkbox"/> 液晶模组		

For **FHD** TFT Reflective LCD Module No.

EQTA30HRH001P

SPEC&IIS

Customer side signature (客户方签名)

部门 \ 签名 部门	Acknowled-g-e (承认人)	Date (日期)	Remarks (备注)
Structure (结构)			
Electronics (电子)			
Item (项目)			
Quality (品质)			

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(易快来科技)

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1. Application (应用)

This data sheet is to introduce the specification of **EQTA30HRH001P** active matrix **16.7M** color TFT TFT Reflective Mono LCD module (FOG).

Main color LCD module is controlled by Driver IC **HX8279-D**

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 **TA30HRH001P** 有源矩阵 **16.7M** 彩色 TFT LCD 模块的规格。

主彩色液晶显示模块由驱动芯片 **HX8279-D** 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。

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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)	10.3	inch
Display mode (显示模式)	TFT/ Reflective mode	-
Active area (显示范围)	157.248(H) X 0.9.664(V)	mm
Display format (分辨率)	1440 RGB (H) x 1920 (V)	-
Pixel configuration (像素)	0.1092(H) x 0.1092(V)	-
Outline Dimensions (外形尺寸)	161.25(W)×215.97(H)×0.76(D)	Note 1
View Angle (视角)	65° /65° /65° /65°	
Base color Notes (基色)	Reflective / Normally White	-
Weight (重量)	TBD	
Driver IC (驱动 IC)	HX8279-D	

Note 1: Not include FPCs & Bezel extrude structure.

备注 1: 不包括排线和面板构造

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4. Interface signals (接口信号)

Table 2 (表 2)

Pin No.	Symbol	Description	Remark
1	NC	NC	
2	GND	地	
3	D3P	MIPI 数据线	
4	D3N	MIPI 数据线	
5	GND	地	
6	D2P	MIPI 数据线	
7	D2N	MIPI 数据线	
8	GND	地	
9	D1P	MIPI 数据线	
10	D1N	MIPI 数据线	
11	GND	地	
12	D0P	MIPI 数据线	
13	D0N	MIPI 数据线	
14	GND	地	
15	CLKP	MIPI 时钟线	
16	CLKN	MIPI 时钟线	
17	GND	地	
18	NC	NC	
19	VSN2	VSN2	
20	NC	NC	
21	VSP2	VSP2	
22	GND	地	
23	RESX	复位	
24	NC	NC	
25	VCI	电源 2.8V	
26	IOVCC	电源 1.8V	
27	NC	NC	
28	GND	地	
29	NC	NC	
30	NC	NC	

5. LED back light (可以配置前景光源, 本模组可选配)

At main panel the back light uses 57pcs edge light type white LED.

在背光的主面板用 57 颗白色 LED 灯

Table 4 (表 4)

Parameter (参数)	Symbol (样品)	Min. (最小值)	Typ. (标准值)	Max. (最大值)	Unit (单位)	Remark (备注)
LED Voltage (LED 电压)	VLED	-	15.6	-	V	[Note 5-2]
LED Current (LED 电流)	ILED	-	200	-	mA	
Power Consumption (电功率)	WLED	-	-	-	mW	[Note 5-2]
Number of LED components (LED 组成部件数量)		57			PCS/ (片)	
Connection Type(Serial/Parallel/Other) 连接类型(串联/并联/其他)		19P3S=57 pcs LEDs				

Note:

*57 pcs of LED

*Please consider Allowable Forward Current on used temperature

*-- 颗灯

* 请考虑允许范围内的正向电流的使用温度

■ Ambient Temperature vs. Allowable Forward Current

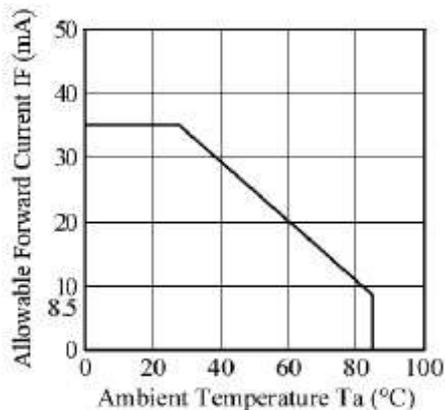


Fig.1 (图 1)

Fig.2*Schematics drawing of lighting (绘制照明图 图.4)

Note: Logic high and low levels are specified as 30% and 70% of IOVCC for Input signals.

Note: Ta = -30 to 70 °C, IOVCC=1.65V to 3.3V, VCI=2.5V to 3.3V, GND=0V

备注: 指定逻辑高和低电平作为输入信号IOVCC的70%和30%。

备注: Ta = -30 to 70 °C, IOVCC=1.65V to 3.3V, VCI=2.5V to 3.3V, GND=0V

6. Optical Characteristics (光学特征)

Table 5 (表 5)

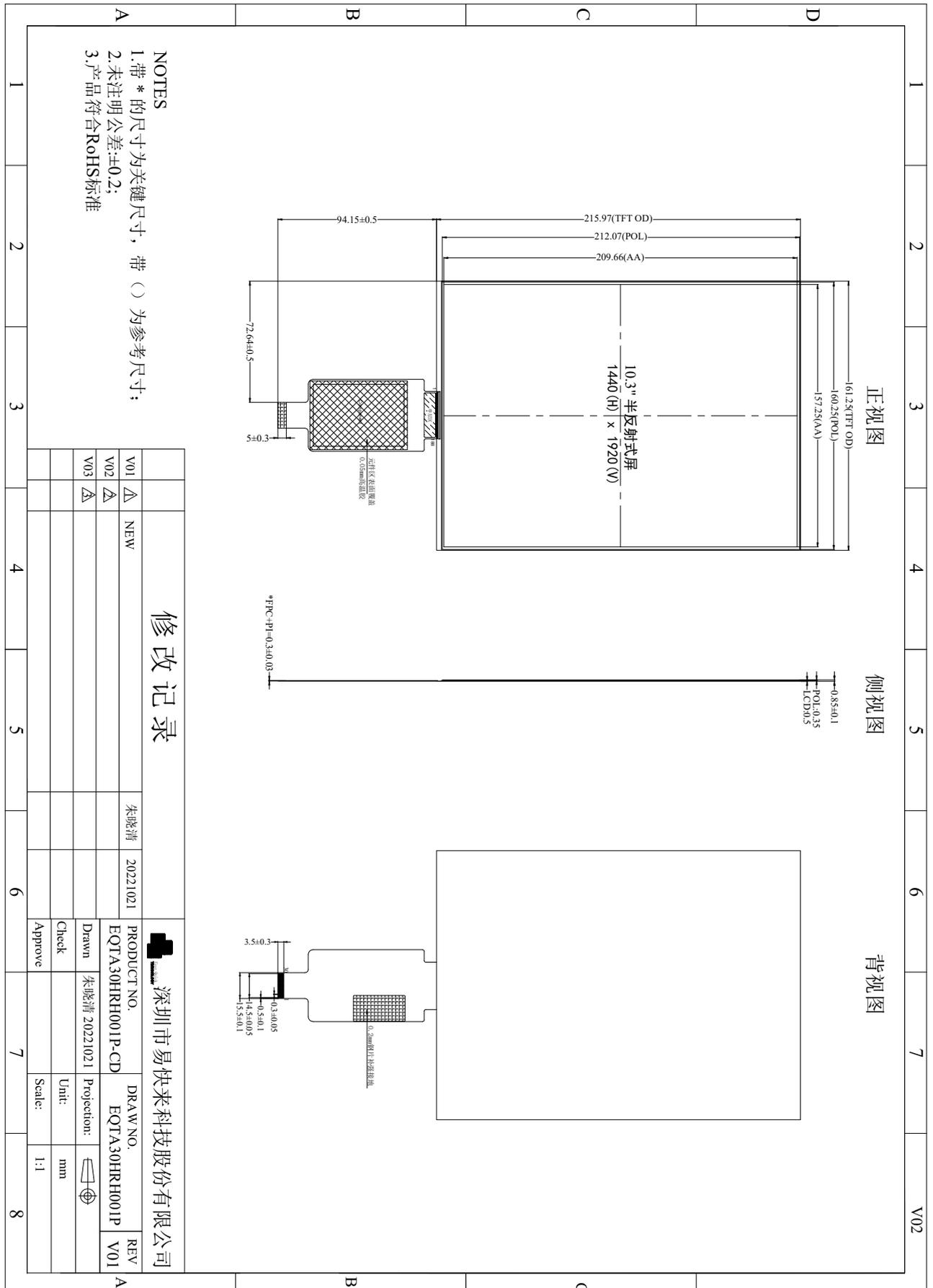
Item 项目		Symbol (样品)	Condition (条件)	Min. (最小值)	Typ. (标准值)	Max. (最大值)	Unit (单位)	Remark (备注)
Response time (响应时间)	Rise (上升)	Tr+Tf	$\theta=0^\circ$	-	20	-	ms	
	+Fall (下降)							
Brightness (亮度)		Br	$\theta=0^\circ$	-	-	-	Cd/m ²	
Contrast ratio (对比度)		CR	$\theta=0^\circ$	-	15	-	-	
Viewing angle(with Polarizer) (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	-	0.3	-	-	-
		Y		-	0.33	-	-	-
NTSC (色彩饱和度)			-	-	-	-	%	-

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7. LCD Module Outline dimensions (模组外形图)

Fig.3 (图3)

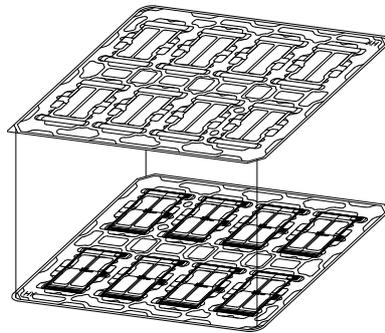
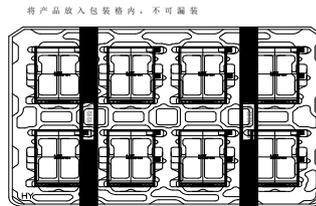
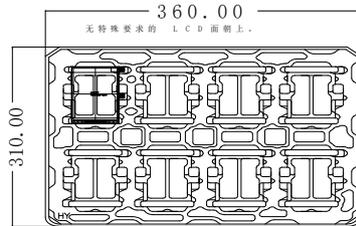


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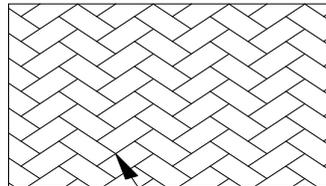
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8. Packaging Specification (包装规格)

- 1.1 Package quantity in one Box : 60PCS
- 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 = 6 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。

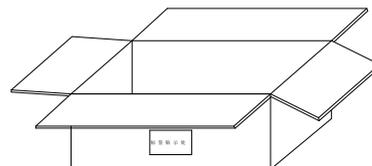
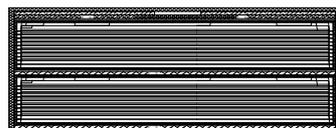


10+1层，
放入透明 PET 包装袋内
下面要放一个纸板，



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