

一. 产品特征 (Features):

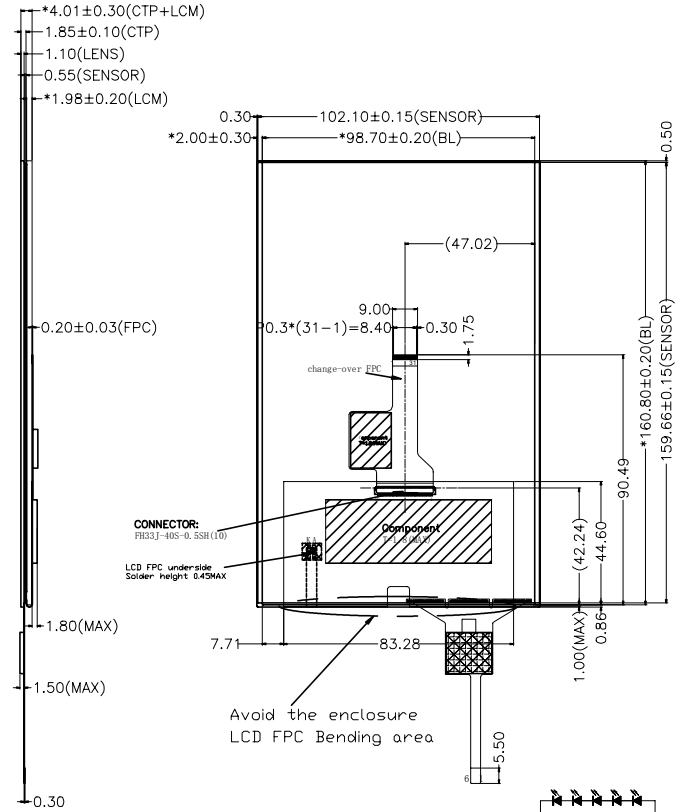
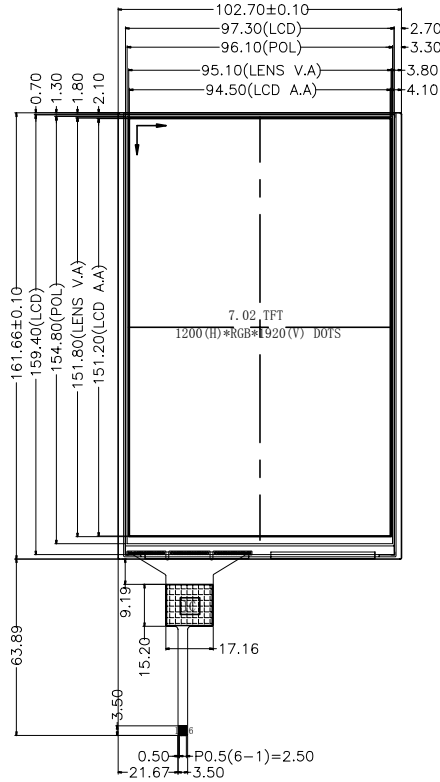
1. 产品规格:
(Product specifications):

显示类型 (Display mode):	TFT/Normal BLACK
驱动芯片 (Driver IC):	R69429
人眼观察视角 (Viewing Direction):	ALL
接口类型 (Interface Types):	MIPI
背光类型 (Backlight Types):	20pcs, 5串4并80mA (20mA/LED), 电压为13.5~16.5
模组亮度 (LCM Brightness):	250cd/m2 Min, 300cd/m2 TYP
模组色坐标 (LCM Color Coordinate):	(X=0.30±0.04, Y=0.31±0.04)
模组均匀度 (LCM Uniformity):	80% MIN
操作温度 (Operating Temperature):	-10°C~60°C
储存温度 (Storage Temperature):	-30°C~70°C
平面翘曲度 (Plane Warping Degree):	<=0.3MM
连接器 (FPC CONNCTOR):	

二. CTP技术要求 (CTP Technical requirements)

Note:

1. Construction: G+G, Touch: Multi-Touch;
2. CTP IC: GT9271,
3. LENS: Corning AGC 1.1mm;
4. Surface hardness: ≥6H, Strength requirement: CS≥480Mpa, DOL≥35μm, 4PB≥400Mpa; Falling ball standard: 64G steel ball, 60CM, Continuous drop center point 3 times without breakage;
5. LENS V.A transmissivity: ≥86%, Horizonae≤3%;
6. Ink surface energy: E ≥32 Dyne;
7. Operating temperature: -20°C~70°C, Storage temperature: -30°C~80°C, Operating humidity: 45~85%RH;
8. Mark "*" are important dimensions, Mark "(" are reference dimensions;
9. Based on marked tolerances, Unmarked tolerance ±0.20;
10. All materials used must meet RoHS requirements;



LCD FPC PIN

pin:	SYMBLE
1	VDD
2	VDD
3	VDD
4	VDD
5	GND
6	LED_EN
7	NC
8	GND
9	MIPI_3N
10	MIPI_3P
11	GND
12	MIPI_0N
13	MIPI_0P
14	GND
15	MIPI_CLKN
16	MIPI_CLKP
17	GND
18	MIPI_1N
19	MIPI_1P
20	GND
21	MIPI_2N
22	MIPI_2P
23	GND
24	XRES
25	TE
26	VDDP
27	VDDP
28	GND
29	GND
30	DCDC_EN
31	IOVCC

CTP FPC PIN

PIN	SYMBOL
1	VDD (L3V)
2	RST(L3V)
3	SD(L3V)
4	SL(L3V)
5	SH(L3V)
6	GD



BACKLIGHT CIRCUIT
(5串4并80mA (20mA/LED), 电压为13.5~16.5)

V4						Titel:	Kingtech Group Co.,Ltd.				
V3						LCM+CTP					
V2						视角 (View)	比例 (Proportion)	1 : 1	设计 (DESIGN)	审核 (AUDITING)	批准 (APPROVED)
V1						单位 (Unit)	MM	页面 (Page)	1 / 1		
V0						产品型号 (Product Type)	PV07039T0231Q-CO (draft)				
版本 (Version)	符号 (SYMBOL)	变更记录 (Change History)			日期 (Date)						

初版 (The first edition)

2022.02.09

产品型号 (Product Type)

PV07039T0231Q-CO (draft)