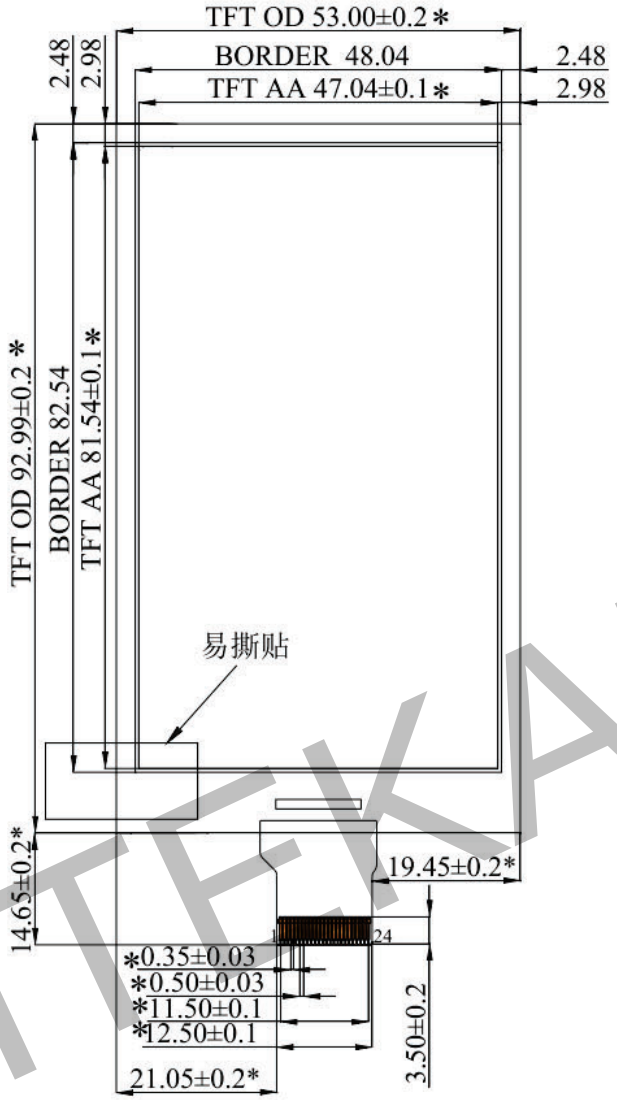

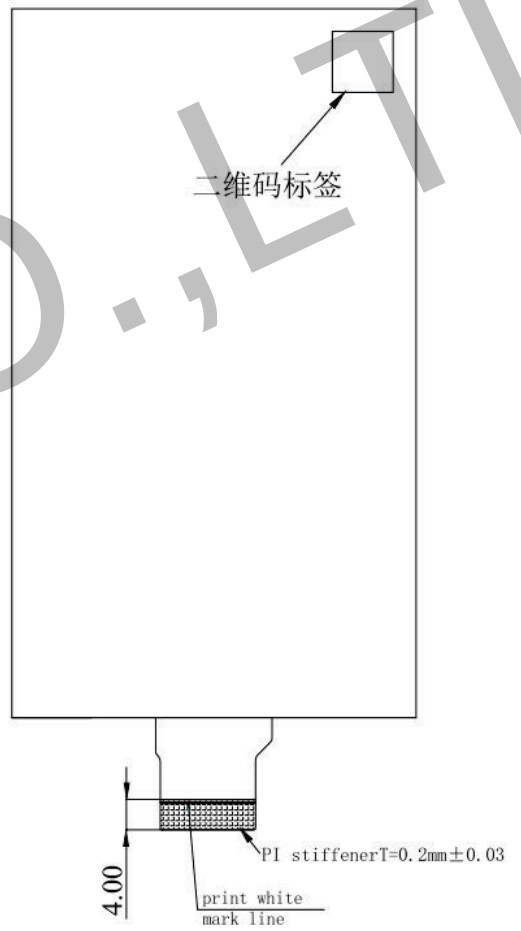

Mechanical Specifications

Parameter	Specifications	Unit	Remark
Screen Size	3.7	Inch	
Display Resolution	240(H)×416(V)	Pixel	Dpi:130
Active Area	47.04(H)×81.54(V)	mm	
Pixel Pitch	0.196×0.196	mm	
Pixel Configuration	Rectangle		
Outline Dimension	53(H)×92.99 (V) ×0.90(D)	mm	**Without masking film**
Weight	8.5±0.5	g	

ABSOLUTE MAXIMUM RATING

Table 12-1: Maximum Ratings

Symbol	Parameter	Rating	Unit	Humidity	Unit	Note
V_{CI}	Logic supply voltage	-0.5 to +6.0	V	-	-	
T_{OPR}	Operation temperature range	0 to 50	°C	35 to70	%	
Tttg	Transportation temperature range	-25 to 60	°C	-	-	Note11-2
Tstg	Storage condition	0 to 40	°C	35 to70	%	Maximum storage time: 5 years

Power Consumption

Parameter	Symbol	Conditions	TYP	Max	Unit	Remark
Panel power consumption during update	-	25℃	-	50	mAs	-
Deep sleep mode	-	25℃	-	3	uA	-

MAS=update average current ×update time

Input/Output Terminals

Pin #	Single	Description	Remark
1	NC	No connection and do not connect with other NC pins	Keep Open
2	GDR	N-Channel MOSFET Gate Drive Control	
3	RESE	Current Sense Input for the Control Loop	
4	NC	No connection and do not connect with other NC pins	Keep Open
5	VDHR	Positive Source driving voltage	
6	TSCL	I2C Interface to digital temperature sensor Clock pin	Note 6-6
7	TSDA	I2C Interface to digital temperature sensor Date pin	Note 6-6
8	BS	Bus selection pin	Note 6-5
9	BUSY_N	Busy state output pin	Note 6-4
10	RST_N	Reset	Note 6-3
11	DC	Data /Command control pin	Note 6-2
12	CSB	Chip Select input pin	Note 6-1
13	SCL	serial clock pin (SPI)	
14	SDA	serial data pin (SPI)	
15	VDDIO	Power for interface logic pins	
16	VDD	Power Supply pin for the chip	
17	GND	Ground	
18	VDDD	Core logic power pin	
19	VPP	Power Supply for OTP Programming	
20	VSH	Positive source driver Voltage	
21	VGH	Positive Gate driving voltage	
22	VSL	Negative Source driving voltage	
23	VGL	Negative Gate voltage.	
24	VCOM	VCOM driving voltage	