

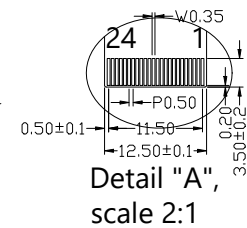
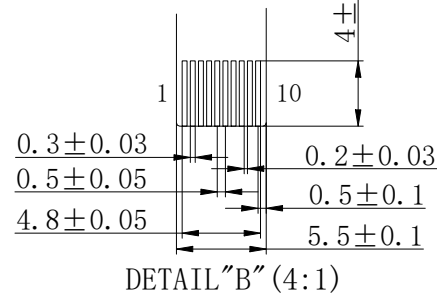
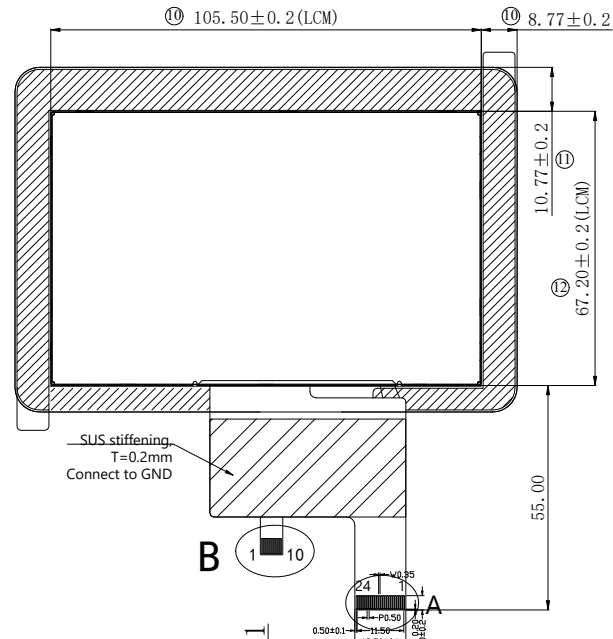
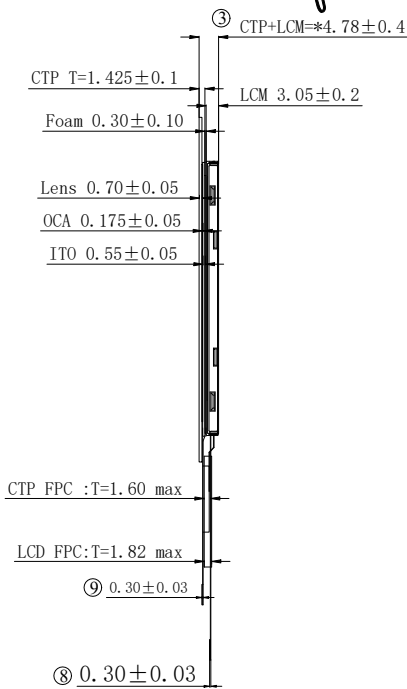
Note: Customers are advised to use constant current source to drive backlight

Display Features :

- 1.Embedded 128Mb Display RAM, Multiple Display Buffer;
- 2.Horizontal/Vertical Flip Display;
- 3.Provide four User-defined 32*32 Pixels Graphic Cursor;
- 4.Picture-in-Picture (PIP) Display ;
- 5.Bit Block Transfer Engine (BTE) ;
- 6.Shape Drawing Engine;
- 7.Embedded 8*16, 12*24, 16*32 Character Sets of ISO/IEC 8859-1/2/4/5;
- 8.Support User defined Character (Burn in External Serial Flash);
- 9.Provide DMA Function: Support Direct Data Transfer from External Serial Flash to Frame Buffer ;
10. SPI interface, applicable to small microcontrollers with limited resource, such as 8051, AVR, PIC, Z80, ARM and etc.

NOTES:

1. GENERAL TOLERANCE: ± 0.2
2. () REFERENCE DIMENSION
3. Important dimension: ①~⑧



LCM interface

PIN Definition	
No.	Name
1	LEDA
2	LEDK
3	GND
4	GND
5	VDD
6	VDD
7	GND
8	DISP
9	L_RST
10	L_SPI_CS
11	L_SPI_MISO
12	L_SPI_MOSI
13	L_SPI_SCK
14	GND
15	F_CS
16	F_DO
17	F_CLK
18	F_DI
19	GND
20	YU
21	XL
22	YD
23	XR
24	GND

CTP interface

PIN NO	DEFINITION
1	NC
2	NC
3	RST
4	GND
5	INT
6	SDA(3.3V)
7	SCL(3.3V)
8	GND
9	GND
10	VDD(3.3V)

LCD Type	4.3 TFT, Transmissive Normally black, FFS
Resolution	480(RGB)*272
View Direction	All o'clock
TFT controller	LT7680B-R
Color depth	262K/16.7M
Interface types	SPI(LCD); IIC(ctp)
Operating voltage	3.0~3.3V
With TP/Lens	with CTP (FT5446)
Backlight	16 LEDs, 40mA(typ), 24.5V(ref.)
Surface luminance	800 cd/m ² (TYP)
Operating temperature	-30°C~80°C
Storage temperature	-30°C~80°C
Color chromaticity	[white] x/y:

版本 (Version)	变更记录 (Revise History)
AO	Initial release

日期 (Date)	设计 (DESIGN)	Hcr
2021.06.24	审核 (CHECKED)	Aron
	批准 (APPROVED)	Aron
	客户承认 (CUSTOMER APPROVAL)	

TITLE: LCM+CTP	页面 (Page) 1 / 1
Drawing No. TST043WQHS-105C	单位 (Unit) mm
	比例 (SCALE) 1 : 1
	角度 (Angle) ⊙