

2	PCBA	1	
1	LCM	1	
序号	型号/规格	数量	备注
00	初版	SZX	241209
标识	更改内容	签署	日期



上海冠显光电科技有限公司
Shanghai Top Display Optoelectronics Co.Ltd

Design (设计)

邵子鑫

Checked (检查)

TBD

Approved (批准)

TBD

TD0's Code (冠显料号)

Customer's Code (客户型号)

TS040FWV02CP-B1519B

Edition (版本号)

00

Scale (比例)

1:1

View (视角):



Unit (单位): mm

Page (页数): 2/3

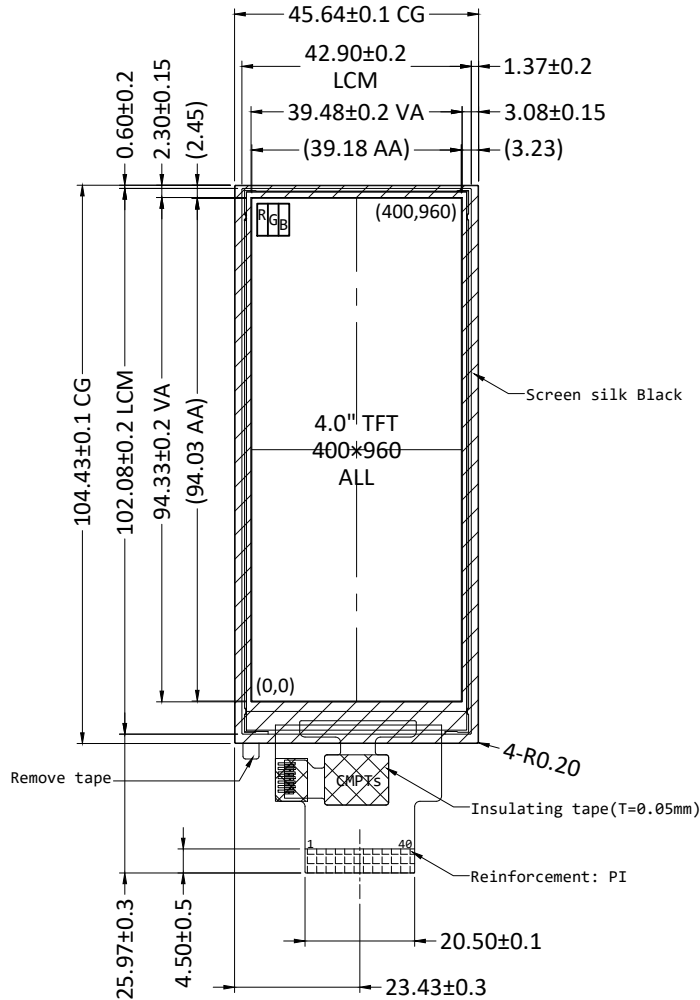
Date (日期)

2024-12-09

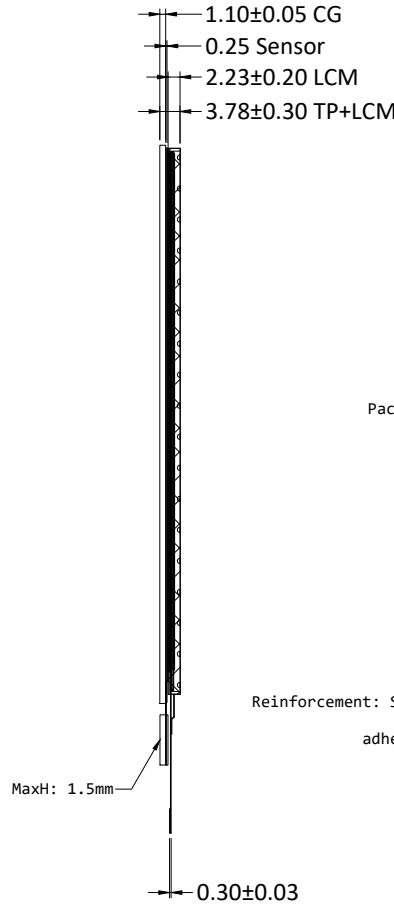
Customer Approved By (客户承认):

Date (日期):

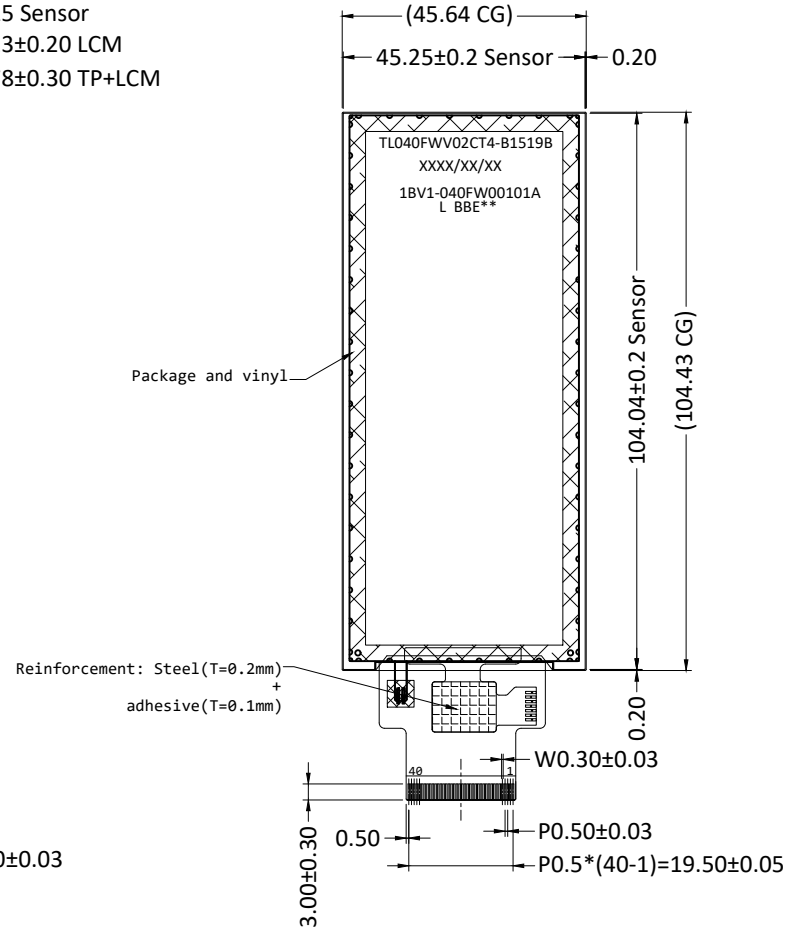
FRONT VIEW



SIDE VIEW



BACK VIEW



Display Requirements:

- Reference Dimensions: (DIM)
- Key Dimensions: DIM
- General Tolerance: ± 0.20 mm
- All radii without dimension: R0.3mm
- All draft angles: 1.5°
- LCD Driver Voltage: 2.8~3.3V
- Display Type: IPS
- Color: White
- Operating Temperature: $-20 \sim +70^\circ\text{C}$
- Storage Temperature: $-30 \sim +80^\circ\text{C}$
- Requirements on Environmental Protection: RoHS HSF

TP Requirements:

- Unspecified Tolerance: ± 0.2 mm
- Driver IC: FT6336U
- Structure: G+F
- Cover Glass: Tempered glass
- Working Voltage: 2.8V ~ 3.3V
- Transmittance: $\geq 85\%$
- Surface Hardness: $\geq 6H$ (750gf/pencil hardness test)
- Operating Temperature and Humidity: $-20 \sim +70^\circ\text{C}$, $\leq 90\%$
- Storage Temperature and Humidity: $-30 \sim +80^\circ\text{C}$, $\leq 90\%$
- Product in line with RoHS standards

PART NO.

LCM



上海冠显光电科技有限公司
Shanghai Top Display Optoelectronics Co.Ltd

Design (设计)

邵子鑫

Checked (检查)

TBD

Approved (批准)

TBD

TD0's Code (冠显料号)

TS040FWV02CP-B1519B

Edition (版本号)

00

Customer's Code (客户型号)

Scale (比例)

1:1

View (视角):



Unit (单位): mm

Page (页数): 3/3

Date (日期)

2024-12-09

Customer Approved By (客户承认):

Date (日期):

FPC0.5-20P

1 GND

2 VCC

3 GND

4 CS#

5 GND

6 SDO1

7 SDO0

8 SCL

9 SDO3

10 SDO2

11 RESET#

12 WAIT#

13 QSPI-INT

14 D/C#

15 TP-INT

16 TP-SDA

17 TP-SCL

18 TP-RST

19 TP-VCC

20 TP-GND

PinHeader

1 VCC

2 GND

3 GND

4 CS#

5 GND

6 SDO1

7 SDO0

8 SCL

9 SDO3

10 SDO2

11 RESET#

12 WAIT#

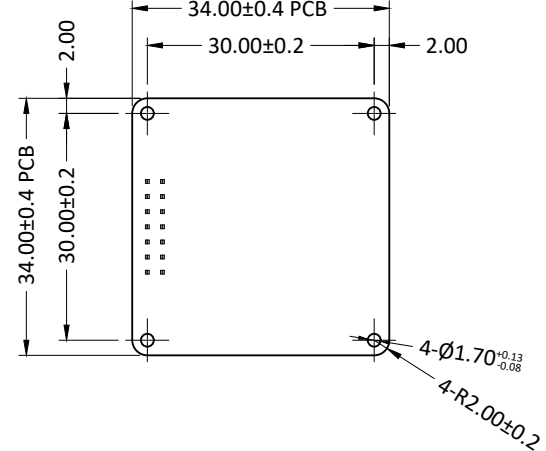
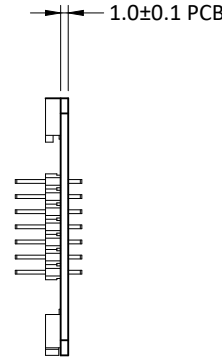
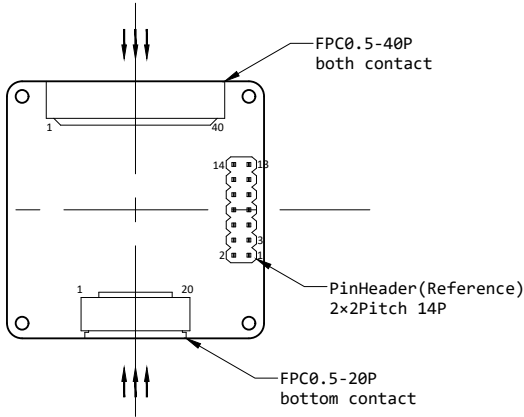
13 QSPI-INT

14 D/C#

FRONT VIEW

SIDE VIEW

BACK VIEW



PCB&PCBA Requirements:

- Reference Dimensions: (DIM)
- Key Dimensions: (DIM)
- General Tolerance: $\pm 0.30\text{mm}$
- All radii without dimension: $R0.5\text{mm}$
- Color: Green
- Layer Count: 2 layers
- QSPI Series
- Operating Temperature: $-20 \sim +70^{\circ}\text{C}$
- Storage Temperature: $-30 \sim +80^{\circ}\text{C}$
- Requirements on Environmental Protection: RoHS HSF

PART NO.

PCBA