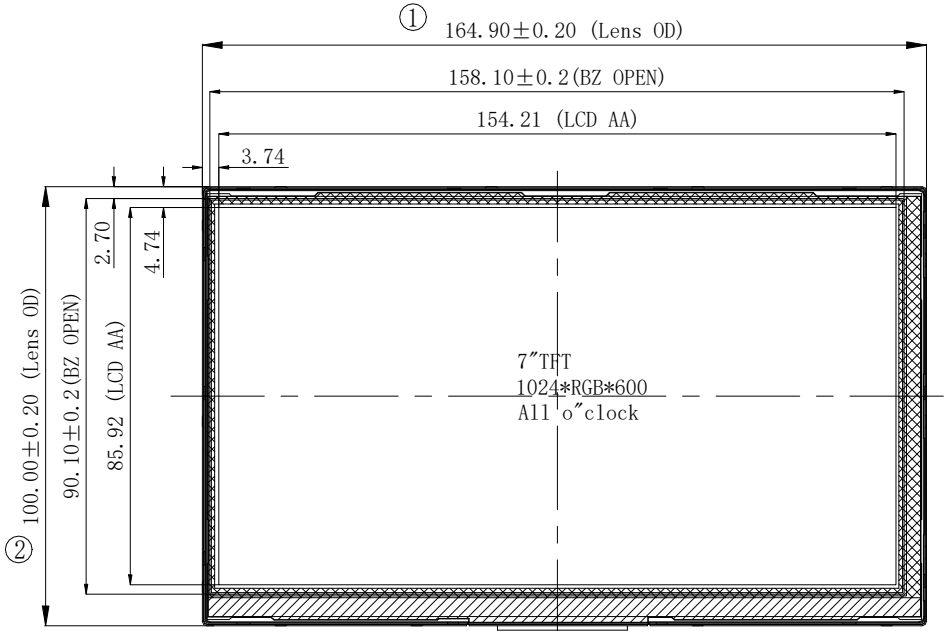


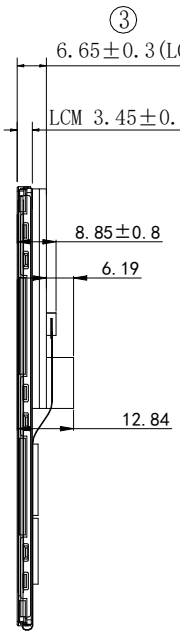


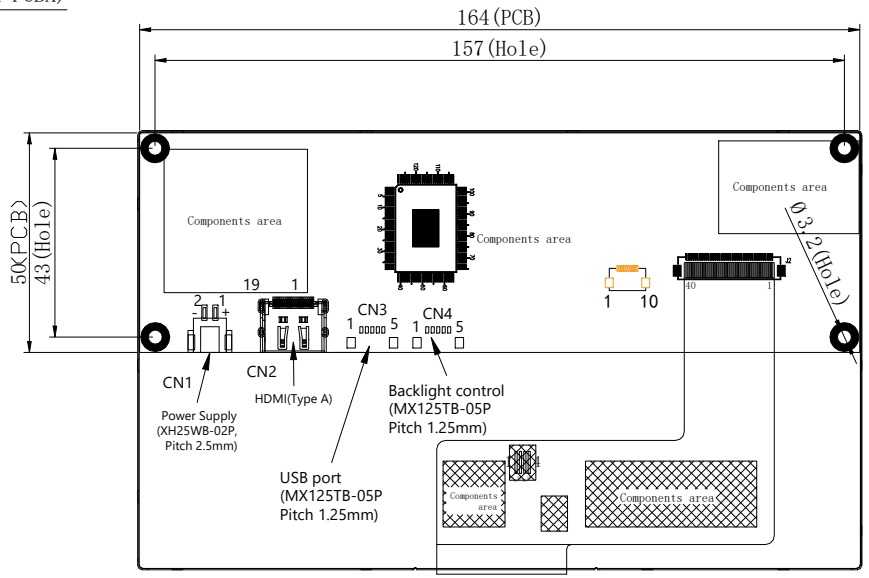


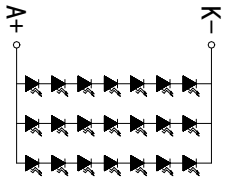


CURRENT IF=60mA
20*3=60mA

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

CN1

| PIN | NAME |
|---|---|
| 1 | DC+12V |
| 2 | GND |

Power interface

CN2

| PIN | NAME |
|---|---|
| 1 | TMDS_DATA2+ |
| 2 | GND |
| 3 | TMDS_DATA2− |
| 4 | TMDS_DATA1+ |
| 5 | GND |
| 6 | TMDS_DATA1− |
| 7 | TMDS_DATA0+ |
| 8 | GND |
| 9 | TMDS_DATA0− |
| 10 | TMDS_CLK+ |
| 11 | GND |
| 12 | TMDS_CLK− |
| 13 | CEC |
| 14 | NC |
| 15 | DDC_SCL |
| 16 | DDC_SDA |
| 17 | GND |
| 18 | +5V |
| 19 | H-PLUG DETECT |

HDMI interface

CN1,CN2,CN4
Must be connected

CN3

| PIN | NAME |
|---|---|
| 1 | USB+5V |
| 2 | Data− |
| 3 | Data+ |
| 4 | NC |
| 5 | GND |

CTP interface

CN4

| PIN | NAME |
|---|---|
| 1 | NC |
| 2 | BL_EN |
| 3 | BL_PWM |
| 4 | GND |
| 5 | GND |

Backlight interface

| | |
|---|---|
| LCD Type | 7.0"TFT,Transmissive Normally black,IPS |
| Resolution | 1024(RGB)*600 |
| View Direction | All o'clock |
| LCD driver IC | HX8282-A&HX8696-A |
| Coloer depth | 16.7M |
| Interface types | HDMI |
| Operating voltage | 12V/1.5A |
| With TP/Lens | without |
| Backlight | 21 LEDs,60mA(typ),22.4V(ref.) |
| Surface luminance | 400 cd/m² |
| Operating temperature | -20°C~70°C |
| Storage temperature | -30°C~80°C |
| Color chromaticity | [white] x:/y: |

| 版本 (Version) | 变更记录(Revise History) | 日期(Date) |
|---|---|---|
| A0 | Initial release | 2023.08.16 |

| | |
|---|---|
| 设计(DESIGN) | Bill |
| 审核(CHECKED) | Aron |
| 批准(APPROVED) | Aron |
| 客户承认 (CUSTOMER APPROVAL) | |

TSD™ 一众显示 TEAM SOURCE DISPLAY

TITLE: LCM+PCBA

Drawing No. TSM070WSBH-140

| | |
|---|---|
| 页面(Page) | 1 / 1 |
| 单位(Unit) | mm |
| 比例(SCALE) | 1 : 1 |
| 角度(Angle) | |