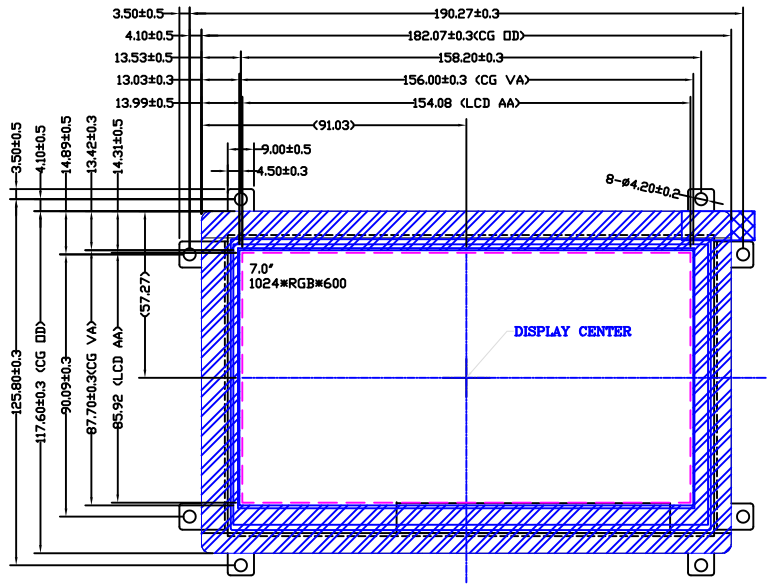
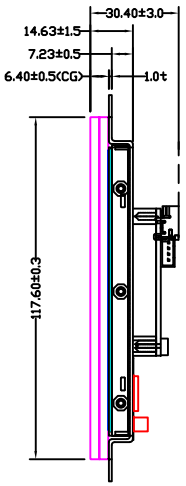
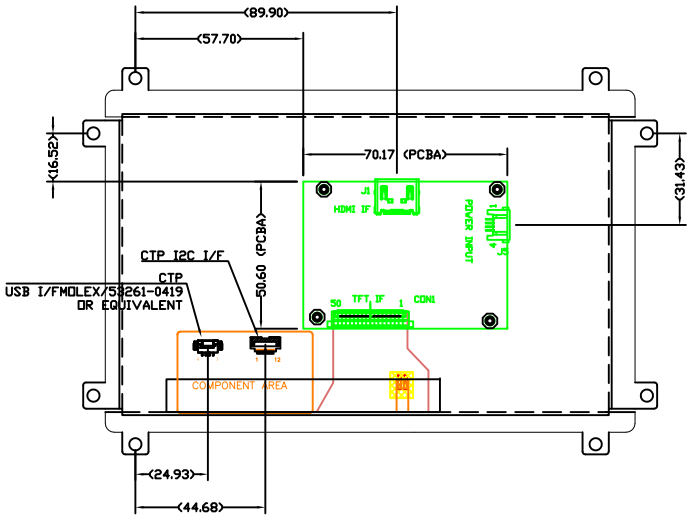
| REV | DC/EC NUMBER | DESCRIPTION | DATE |
|---|---|---|---|
| | | | |
| | | | |




## TFT I/F

| PIN | ASSIGNMENT |
|---|---|
| 1 | LEDA |
| 2 | LEDA |
| 3 | LEDK |
| 4 | LEDK |
| 5 | GND |
| 6 | VCOM |
| 7 | DVDD |
| 8 | MODE |
| 9 | DE |
| 10 | VS |
| 11 | HS |
| 12 | B7 |
| 13 | B6 |
| 14 | B5 |
| 15 | B4 |
| 16 | B3 |
| 17 | B2 |
| 18 | B1 |
| 19 | B0 |
| 20 | G7 |
| 21 | G6 |
| 22 | G5 |
| 23 | G4 |
| 24 | G3 |
| 25 | G2 |
| 26 | G1 |
| 27 | G0 |
| 28 | R7 |
| 29 | R6 |
| 30 | R5 |
| 31 | R4 |
| 32 | R3 |
| 33 | R2 |
| 34 | R1 |
| 35 | R0 |
| 36 | GND |
| 37 | DCLK |
| 38 | GND |
| 39 | L/R |
| 40 | U/D |
| 41 | VGH |
| 42 | VGL |
| 43 | AVDD |
| 44 | RESET |
| 45 | NC |
| 46 | VCOM |
| 47 | DITHB |
| 48 | GND |
| 49 | NC |
| 50 | NC |

## J5 POWER SUPPLY for HDMI board

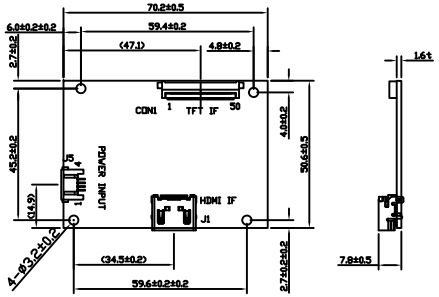
| PIN | LOGLC |
|---|---|
| 1 | GND |
| 2 | GND |
| 3 | PWM |
| 4 | VDD |

## CTP I/F

| IIC | |
|---|---|
| No. | Pin Define |
| 1 | NC |
| 2 | NC |
| 3 | NC |
| 4 | NC |
| 5 | NC |
| 6 | NC |
| 7 | VDD(3.3V) |
| 8 | SCL |
| 9 | SDA |
| 10 | INT |
| 11 | RST |
| 12 | GND |

## J1: HDMI I/F

| PIN | ASSIGNMENT |
|---|---|
| 1 | TMDS Data2+ |
| 2 | TMDS Data2 Shield |
| 3 | TMDS Data2− |
| 4 | TMDS Data1+ |
| 5 | TMDS Data1 Shield |
| 6 | TMDS Data1− |
| 7 | TMDS Data0+ |
| 8 | TMDS Data0 Shield |
| 9 | TMDS Data0− |
| 10 | TMDS Clock+ |
| 11 | TMDS Clock Shield |
| 12 | TMDS Clock− |
| 13 | CEC |
| 14 | NC |
| 15 | SCL |
| 16 | SDA |
| 17 | DDC/CEC Ground |
| 18 | +5V Power |
| 19 | Hot Plug Detect |

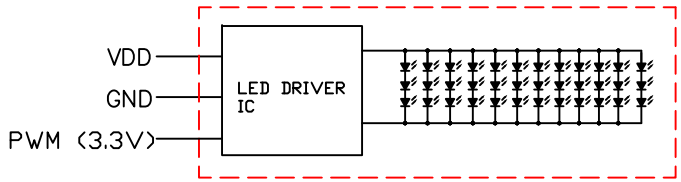



AD BOARD

TFT Notes:
1. LCD TYPE:16.7M COLOR ,TFT:IPS,TRANSMISSIVE,NORMAL BLACK
2. VIEWINGDIRECTION:85°U/85°D/85°L/85°R
3. TFT Driver IC:HX8282-A11+HX8696A0 or equivalent
4. LED DRIVER IC:VLED=12.0V,PLED=3.0W
5. BRIGHTNESS:800cd/m2 TYP. WITH CTP
6. LIFE TIME:50000HR at Ta=25°C
7. OPERATION TEMP:-20°~70°
8. STORAGE TEMP:-30°~80°
9. UNMARKERTOLERANCE:±0.3
10. POWER SULLPY:12.0VDC FOR AD BOARD J5
11. TOP POLARIZER:Polatechnon polarizer

CTP Notes:
1.Structure:G+G;Cover Glass;IK10
2.IC Type :Operting Voltage:5.0V(USB) IC:ILI2511
3.Transmittance:≥80％
4.Hardness:6H
5.Operating conditions:-20°C~+70°C,≤85%RH
6.Storage conditions:-20°C~+70°C,≤85%RH
7.Unspecified tolerance:±0.3mm
8.All materials in the drawing comply with the RosH

## LED CIRCUIT




## CTP USB I/F

| No. | Pin Define |
|---|---|
| 1 | VBUS |
| 2 | DN |
| 3 | DP |
| 4 | GND |

| | | |
|---|---|---|
| CONTROL DIMENTION: | | |
| REFERENCE DIMENTION: | ( ) | |
| APPROVED: | JOBS | |
| CHECKED: | ERIC | |
| DESIGNED: | ISSCA | |

XINSUN DISPLAY INTEGRATION

| | | | |
|---|---|---|---|
| MODEL NAME | | 3rd ANGLE | |
| PART NAME | XF070WV08AC-TDHL | UNIT | mm |
| DRAWING NUMBER | DR23022401-1 V00 | SCALE | 1:1 |
| METERIAL NUMBER | | PAGE | 1/1 |