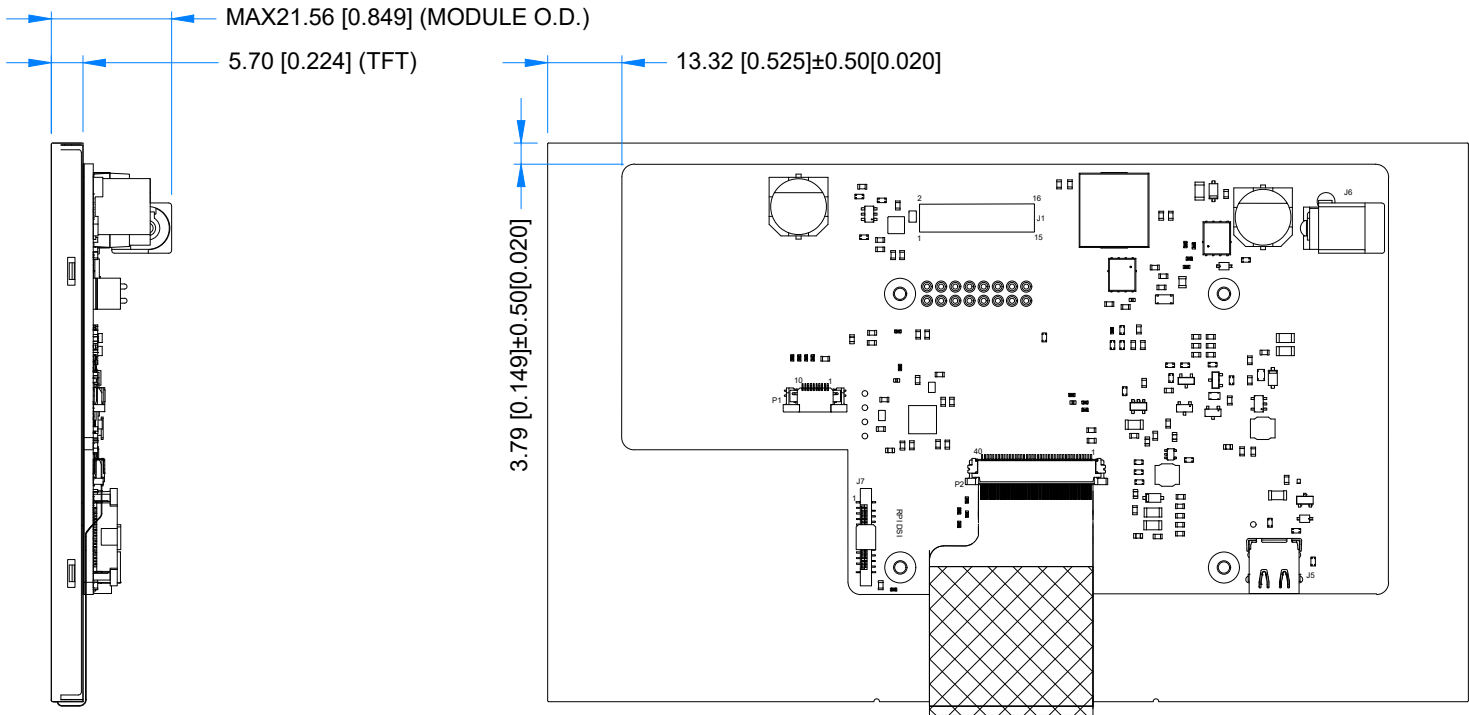
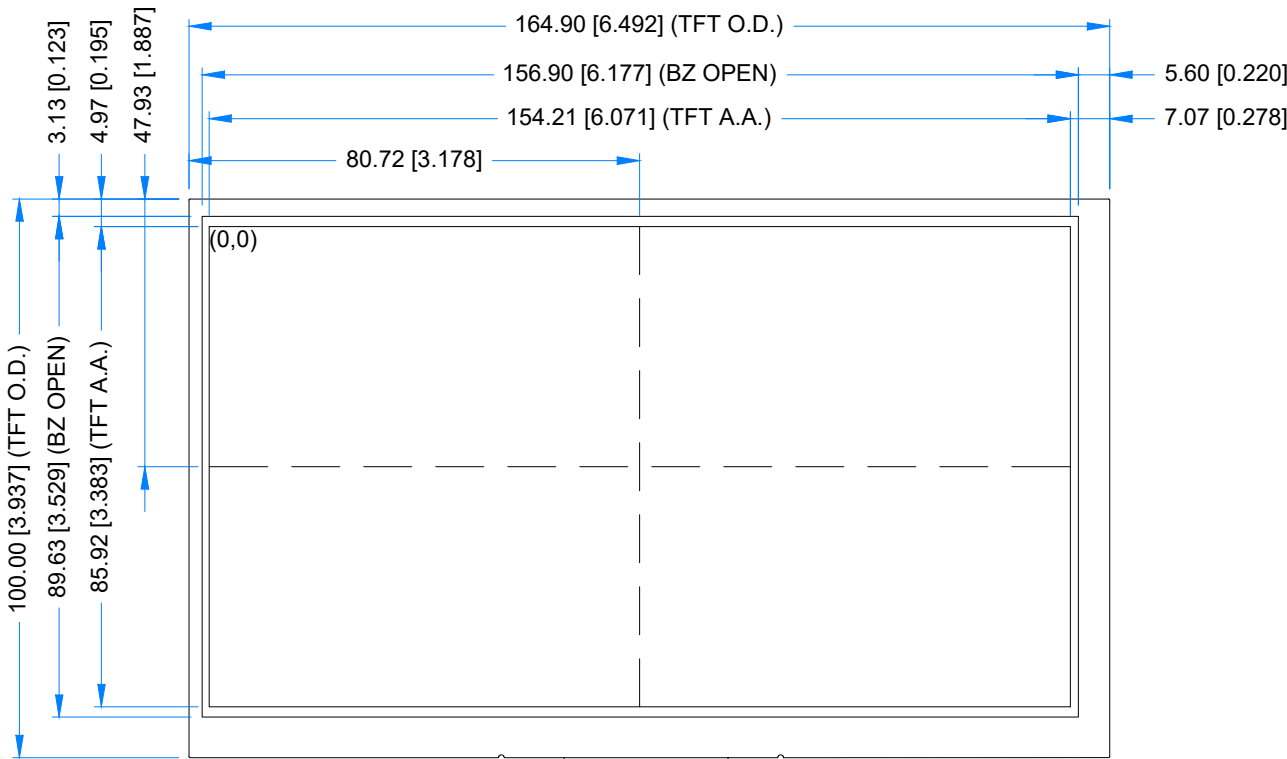
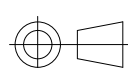


LED Diagram Circuit

PINOUT ON THE 2ND PAGE

|                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                               |                   |                   |            |        |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|------------|--------|---------------------------------------------------------------------------------------|
| <b>TFT NOTES:</b><br>1. DISPLAY TYPE: TRANSMISSIVE, NORMALLY BLACK, IPS<br>2. RESOLUTION: 1024x600<br>3. VIEWING ANGLE: FREE<br>4. INTERFACE: MIPI DSI<br>5. DRIVER IC ON BOARD: SN65DSI83<br>6. SUPPLY VOLTAGE FOR MODULE: 5.0V(USB),<br>7.5-36V(DC INPUT)<br>7. RASPBERRY PI COMPATIBLE |  | <b>GENERAL NOTES:</b><br>1. MODULE SURFACE LUMINANCE: 1000cd/m <sup>2</sup><br>2. OPERATING TEMPERATURE: -20°C ~ 70°C<br>3. STORAGE TEMPERATURE: -30°C ~ 80°C<br>4. WITHOUT INDIVIDUAL TOLERANCE: ±0.3mm<br>5. RoHS COMPLIANT |                   |                   |            |        |                                                                                       |
|                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                               | PN: RVT70HSPNWN00 |                   |            |        |                                                                                       |
|                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                               | SN:               |                   |            |        |                                                                                       |
|                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                               | DRAWN:            | M.Stabinski       | 2025.12.15 | 1:1.35 |  |
|                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                               | CHECKED:          | A.Demko-Karolczuk | 2025.12.15 | [mm]   |                                                                                       |
|                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                               | APPR:             | M.Wierzbowski     | 2025.12.15 | ISO A3 |                                                                                       |





| J7 CONNECTOR |          |         |             |
|--------------|----------|---------|-------------|
| Pin No.      | Desc.    | Pin No. | Desc.       |
| 1            | GND      | 12      | DSI_D2P     |
| 2            | DSI_D0N  | 13      | GND         |
| 3            | DSI_D0P  | 14      | DSI_D3N     |
| 4            | GND      | 15      | DSI_D3P     |
| 5            | DSI_D1N  | 16      | GND         |
| 6            | DSI_D1P  | 17      | NC          |
| 7            | GND      | 18      | NC          |
| 8            | DSI_CLKN | 19      | GND         |
| 9            | DSI_CLKP | 20      | RPi_DSI_SCL |
| 10           | GND      | 21      | RPi_DSI_SDA |
| 11           | DSI_D2N  | 22      | VCC         |

| J1 CONNECTOR |         |         |                |
|--------------|---------|---------|----------------|
| Pin No.      | Desc.   | Pin No. | Desc.          |
| 1            | 3.3V    | 9       | GND            |
| 2            | 5.0V    | 10      | NC             |
| 3            | CTP_SDA | 11      | LCD_RES        |
| 4            | 5.0V    | 12      | BLPWM          |
| 5            | CTP_SCL | 13      | LCD_STBY       |
| 6            | GND     | 14      | GND            |
| 7            | CTP_RST | 15      | CTP_INT        |
| 8            | NC      | 16      | RPi_Bridge_rst |