



PINOUT ON THE 2ND PAGE

**TFT NOTES:**  
 1. DISPLAY TYPE: TRANSMISSIVE, NORMALLY BLACK, IPS  
 2. RESOLUTION: 800x480  
 3. VIEWING ANGLE: FREE  
 4. INTERFACE: RGB  
 5. IC CONTROLLER: ST7262-G4  
 6. OPERATING VOLTAGE: 3.3V  
 7. BACKLIGHT: 14-LED WHITE, Vf=12.0V, If=140mA

**TP NOTES:**  
 1. TP STRUCTURE: G+G  
 2. CG THICKNESS: 1.1mm[0.043inch]  
 3. DRIVER IC: ILI2132A  
 4. INTERFACE: USB; I2C  
 5. OPERATING VOLTAGE: 3.3V(I2C); 5.0V(USB)

**GENERAL NOTES:**  
 1. SURFACE LUMINANCE: 850cd/m<sup>2</sup>  
 2. OPERATING TEMPERATURE: -20°C ~ 70°C  
 3. STORAGE TEMPERATURE: -30°C ~ 80°C  
 4. WITHOUT INDIVIDUAL TOLERANCE: ±0.3mm  
 5. RoHS COMPLIANT

|                           |            |        |  |
|---------------------------|------------|--------|--|
| PN: RVT50HQTNWC00-B V2.0A |            |        |  |
| SN:                       |            |        |  |
| DRAWN: M.Stabinski        | 2026.03.19 | 1:1.28 |  |
| CHECKED: M.Wierzbowski    | 2026.03.19 | [mm]   |  |
| APPR: M.Wierzbowski       | 2026.03.19 | ISO A3 |  |



| TFT CONNECTOR |       |         |       |
|---------------|-------|---------|-------|
| Pin No.       | Desc. | Pin No. | Desc. |
| 1             | VLED- | 21      | B0    |
| 2             | VLED+ | 22      | B1    |
| 3             | GND   | 23      | B2    |
| 4             | VDD   | 24      | B3    |
| 5             | R0    | 25      | B4    |
| 6             | R1    | 26      | B5    |
| 7             | R2    | 27      | B6    |
| 8             | R3    | 28      | B7    |
| 9             | R4    | 29      | GND   |
| 10            | R5    | 30      | DCLK  |
| 11            | R6    | 31      | DISP  |
| 12            | R7    | 32      | HSYNC |
| 13            | G0    | 33      | VSYNC |
| 14            | G1    | 34      | DE    |
| 15            | G2    | 35      | NC    |
| 16            | G3    | 36      | GND   |
| 17            | G4    | 37      | NC    |
| 18            | G5    | 38      | NC    |
| 19            | G6    | 39      | NC    |
| 20            | G7    | 40      | NC    |

| TOUCH PANNEL CONNECTOR |               |         |               |
|------------------------|---------------|---------|---------------|
| Pin No.                | Desc.         | Pin No. | Desc.         |
| 1                      | USB_GND       | 6       | I2C_VDD(3.3V) |
| 2                      | USB_VDD(5.0V) | 7       | I2C_RST       |
| 3                      | USB_D-        | 8       | I2C_SCL       |
| 4                      | USB_D+        | 9       | I2C_INT       |
| 5                      | I2C_GND       | 10      | I2C_SDA       |

| CN1     |               |         |         |
|---------|---------------|---------|---------|
| Pin No. | Desc.         | Pin No. | Desc.   |
| 1       | USB_VDD(5.0V) | 3       | USB_D+  |
| 2       | USB_D-        | 4       | USB_GND |