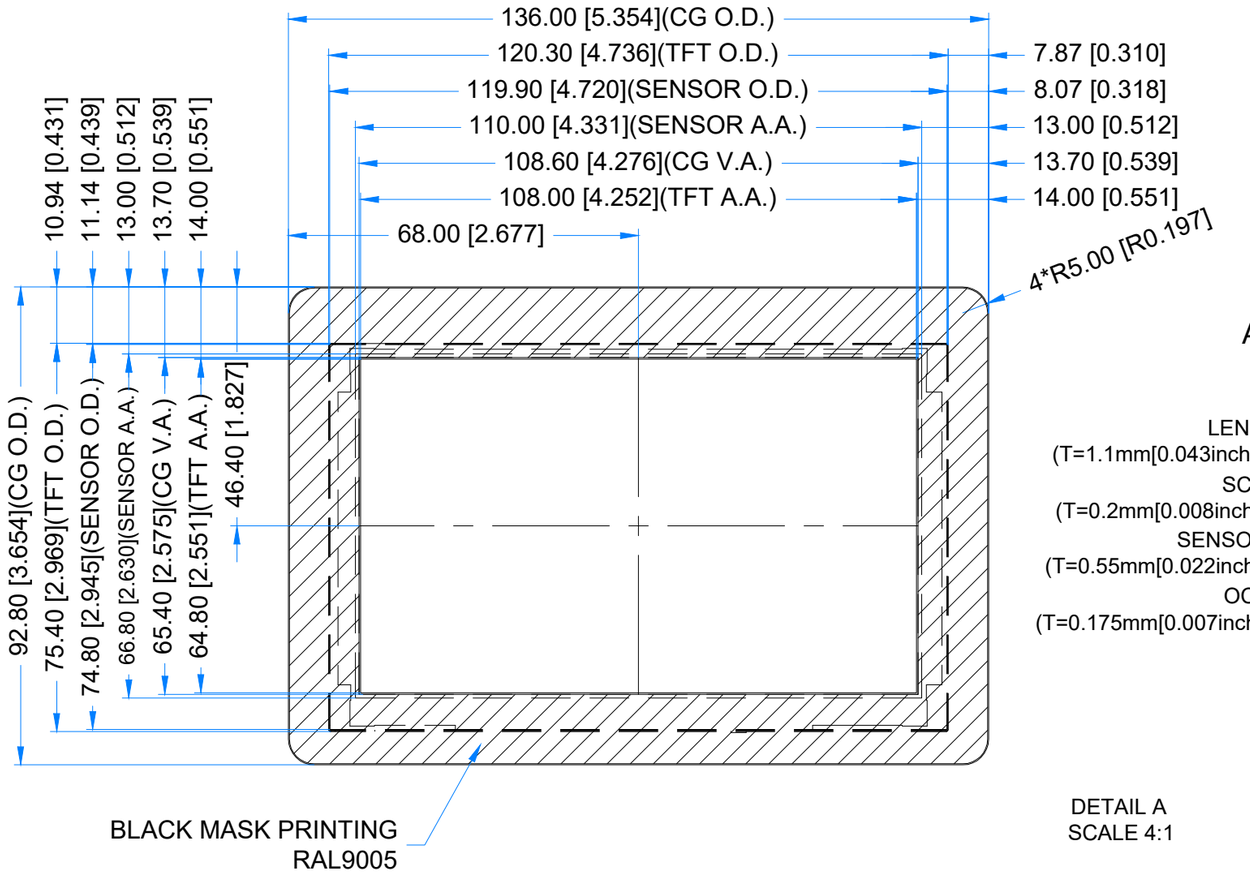
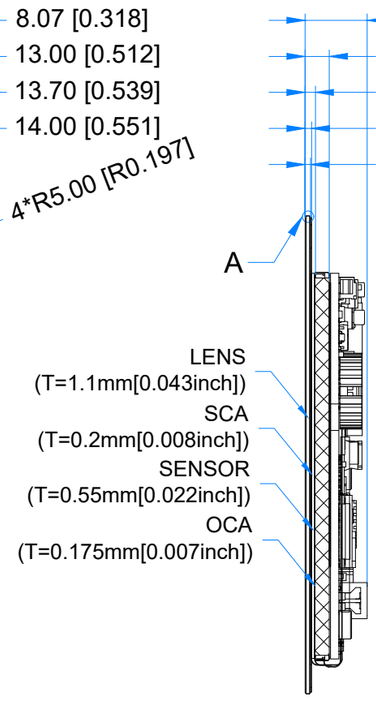
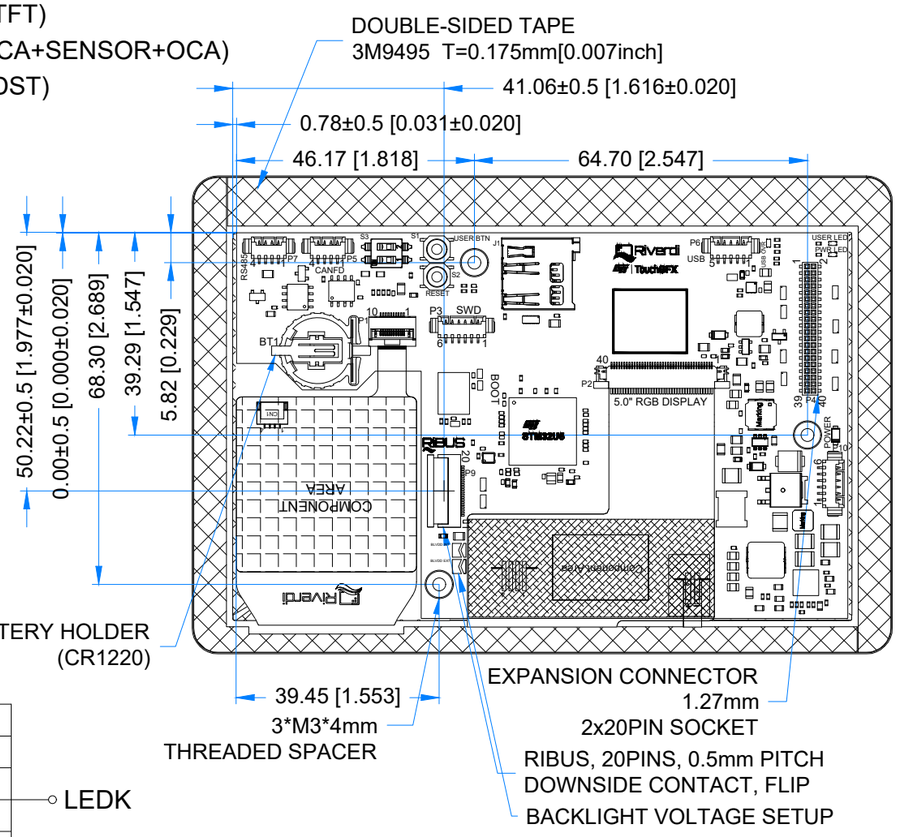
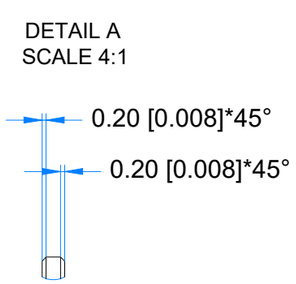
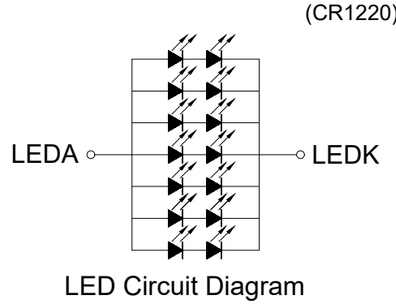
| Revision: | Changes: | Date: |
|---|---|---|
| 1.0 | Initial Case | 2024.07.12 |




LED Circuit Diagram

| 1.25 MM MOLEX CONNECTORS | | |
|---|---|---|
| NO. | TYPE | MATE WITH |
| P3 (SWD) | 53261-0671 | 51021-0600 |
| P5 (CAN) | 53261-0471 | 51021-0400 |
| P6 (USB) | 53261-0571 | 51021-0500 |
| P7 (RS485) | 53261-0471 | 51021-0400 |
| P10 (POWER) | 53261-0671 | 51021-0600 |

| 1.27MM PIN SOCKET | | |
|---|---|---|
| NO. | TYPE | MATE WITH |
| P4 | CBC1402M100-2P | CH51402M100-0P OR CH51402V100 |

**TFT NOTES:**
1. DISPLAY TYPE: TRANSMISSIVE, NORMALLY BLACK, IPS
2. RESOLUTION: 800x480
3. VIEWING ANGLE: FREE
4. SURFACE LUMINANCE: 850 cd/m^2
5. MCU ON THE BOARD: STM32U5G9NJH6Q
6. EXTERNAL FLASH MEMORY SIZE:512Mbit
7. SUPPLY VOLTAGE FOR MODULE: 6.0V - 48.0V

**TP NOTES:**
1. TP STRUCTURE: G+G
2. CG THICKNESS: 1.10mm[0.043inch]
3. SURFACE HARDNESS: 7H
4. DRIVER IC: ILI2132A
5. INTERFACE: CONNECTED TO MCU VIA I2C

**GENERAL NOTES:**
1. OPTICAL BONDING
2. OPERATING TEMPERATURE: -20°C ~ 70°C
3. STORAGE TEMPERATURE: -30°C ~ 80°C
4. WITHOUT INDIVIDUAL TOLERANCE: ±0.3mm[0.012inch]
5. TOLERANCE OF PCB PLACEMENT: ±0.5mm[0.020inch]
6. RoHS3 COMPLIANT

| | | | | |
|---|---|---|---|---|
| PN: RVT50HQSNWC01-B | | | | |
| SN: | | | | |
| DRAWN: | M.Natywa | 2024.07.12 | 1:1.19 | |
| CHECKED: | M.Wierzbowski | 2024.07.12 | [mm] | |
| APPR: | T.Soldat | 2024.07.12 | ISO A3 | P. 1 of 1 |