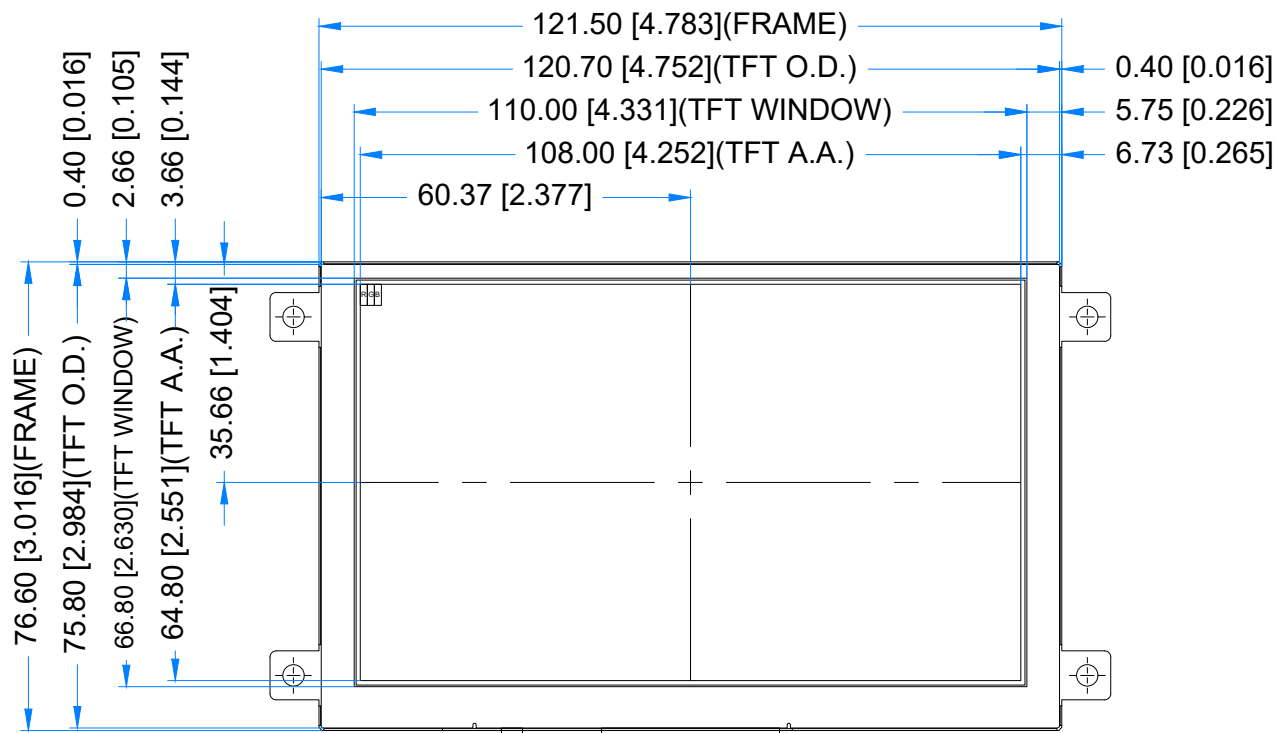
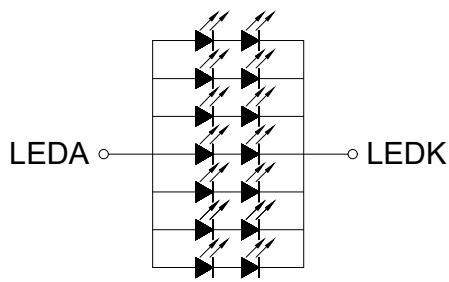
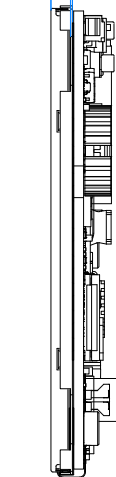


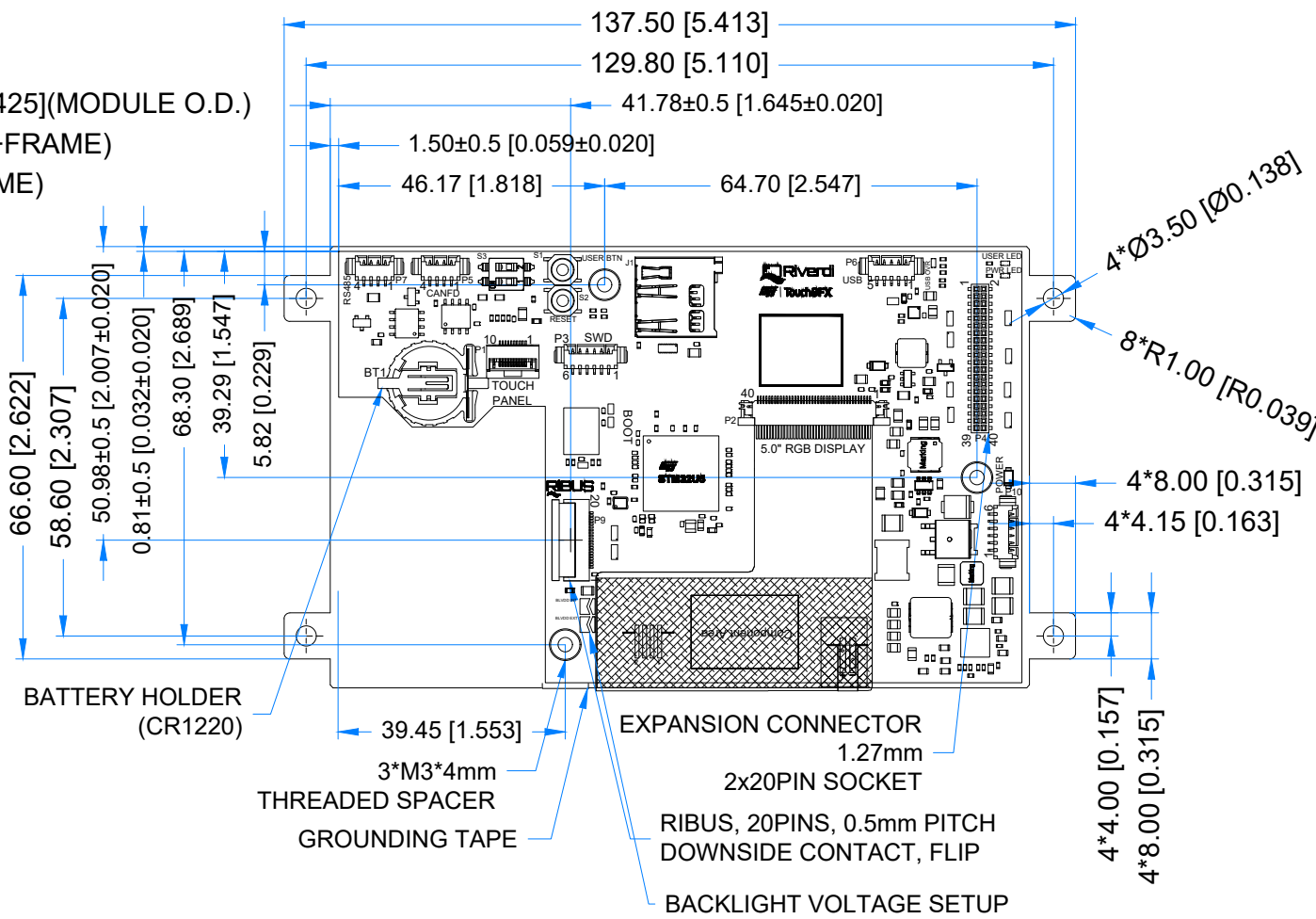
| Revision: | Changes:                      | Date:      |
|-----------|-------------------------------|------------|
| 1.0       | Initial Case                  | 2023.05.24 |
| 1.1       | PCB Update - 50STM32U5_Rev1.1 | 2024.07.12 |



MAX 10.81 [0.425](MODULE O.D.)  
3.48 [0.137](TFT+FRAME)  
0.30 [0.012](FRAME)



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: 1000 cd/m<sup>2</sup>
5. MCU ON THE BOARD: STM32U5A9NJH6Q
6. EXTERNAL FLASH MEMORY SIZE: 512Mbit
7. SUPPLY VOLTAGE FOR MODULE: 6.0V - 48.0V

**GENERAL NOTES:**

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

PN: RVT50HQSFWN00

SN:

DRAWN: M.Natywa

2024.07.12

1:1.24

CHECKED: M.Wierzbowski

2024.07.12

[mm]

APPR: T.Soldat

2024.07.12

ISO A3

P. 1 of 1

