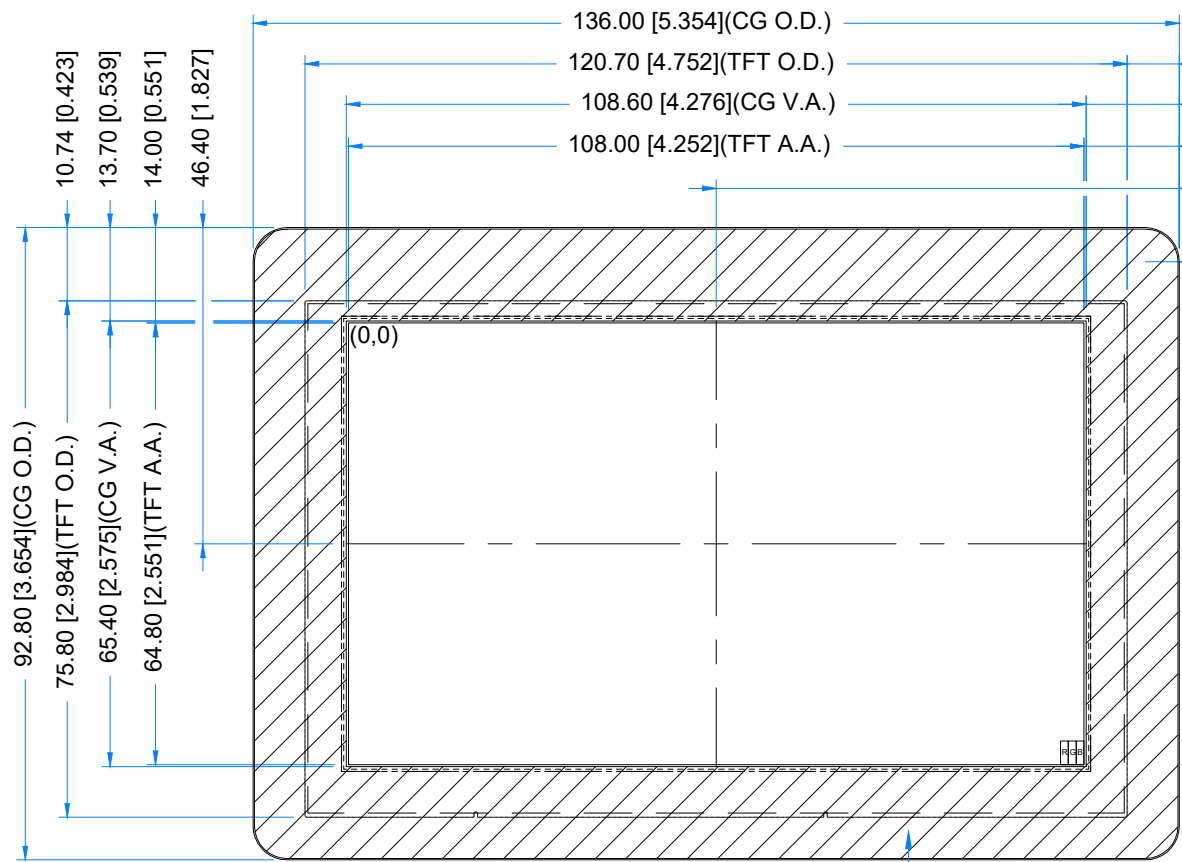
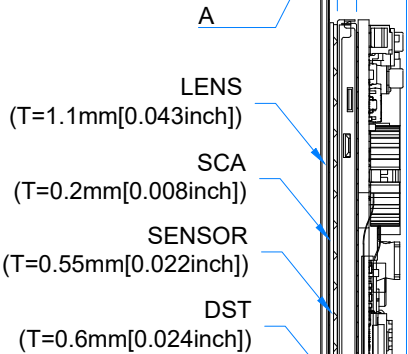
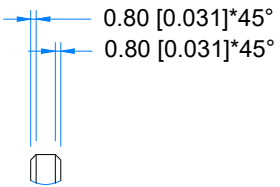




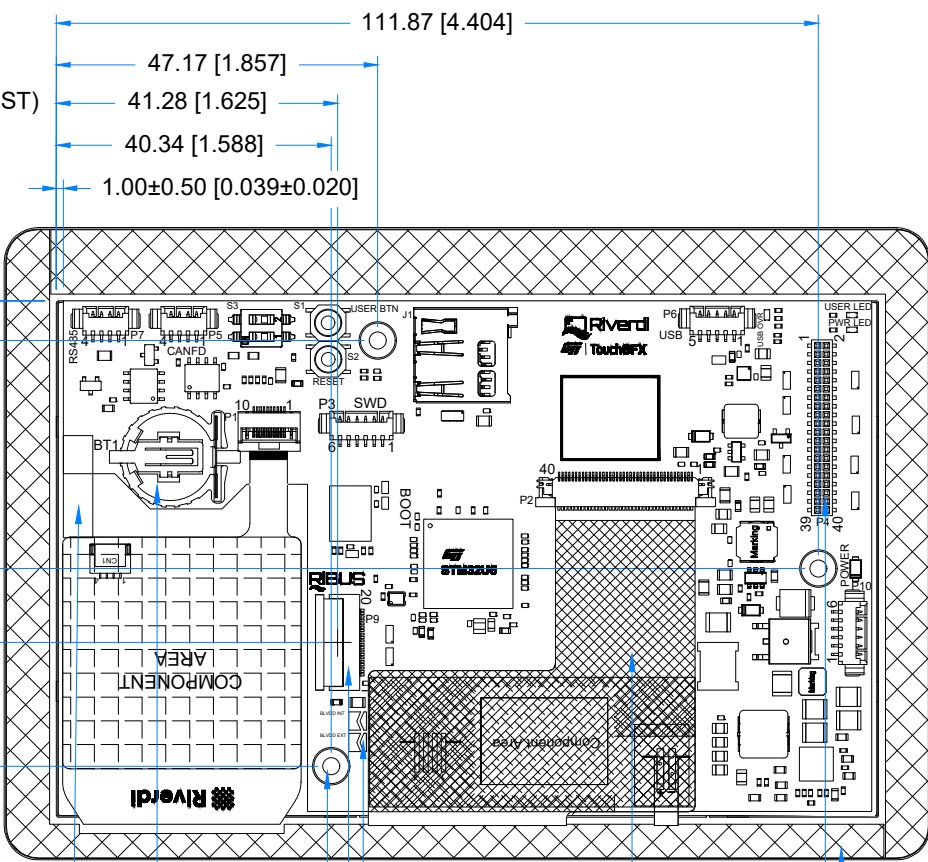
ANTI-UV, BLACK MASK PRINTING
REFER TO: RAL9005



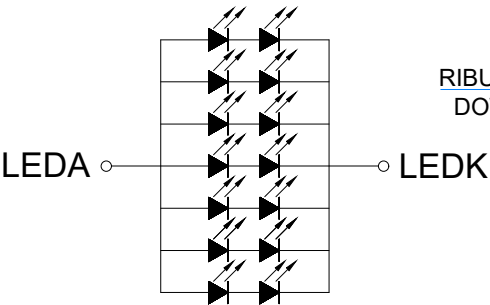
DETAIL A
SCALE 4:1



- MAX 12.58 [0.495](MODULE O.D.)
- 5.25 [0.207](CTP+TFT)
- 2.45 [0.096](CG+SCA+SENSOR+DST)
- 1.28 [0.050](CG+DST)
- 1.10 [0.043](CG)



- GROUNDING TAPE
- BATTERY HOLDER
- EMI SHIELDING
- BACKLIGHT VOLTAGE SETUP
- EXPANSION CONNECTOR 1.27mm, 2x20PIN SOCKET
- DOUBLE-SIDED TAPE 3M9495 T=0.175mm[0.007inch]
- 3*M3*4mm THREADED SPACER
- RIBUS, 20PINS, 0.5mm PITCH DOWNSIDE CONTACT, FLIP



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: 800cd/m²
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. AIR 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: RVT50HQSNNWC01 V2.0A

SN:

DRAWN: M.Stabinski

2026.04.29

1:1.11

CHECKED: M.Wierzbowski

2026.04.29

[mm]

APPR: M.Wierzbowski

2026.04.29

ISO A3

P. 1 of 1

