Revision:	Changes:	Date:
1.0	Initial Case	2025.04.11

312.12 [12.288](CG O.D.)
276.56 [10.888](TFT O.D.)
275.56 [10.849](SENSOR O.D.)
262.52 [10.335](SENSOR A.A.)
261.92 [10.312](CG V.A.)
261.12 [10.280](TFT A.A.)
156.06 [6.144]

17.38±0.35 [0.684±0.014]
17.88 [0.704]
24.80 [0.976]
25.10 [0.988]
25.50 [1.004]

4*R9.00 [R0.354]

12.47±0.35 [0.491±0.014]
12.97 [0.511]
19.80 [0.780]
20.10 [0.791]
20.50 [0.807]

204.20 [8.039](CG O.D.)
179.46 [7.065](TFT O.D.)
178.46 [7.026](SENSOR O.D.)
164.60 [6.480](SENSOR A.A.)
164.00 [6.457](CG V.A)
163.20 [6.425](TFT A.A.)
102.10 [4.020]

(0,0)
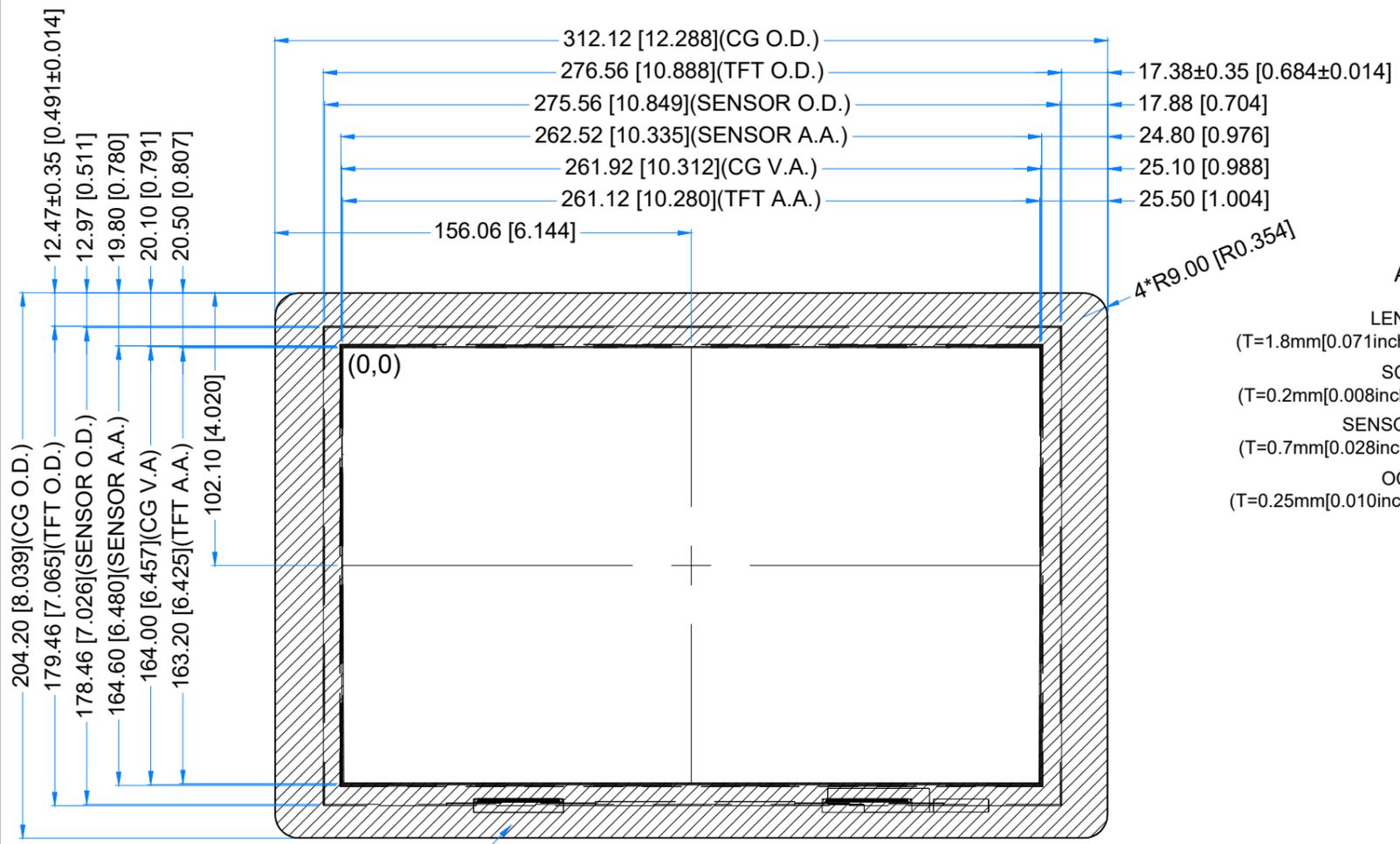
BLACK MASK PRINTING
COLOR: RAL9005

MAX 14.52 [0.572](MODULE O.D.)
8.51±0.5 [0.335±0.020](CTP+TFT)
2.95 [0.116](CG+SCA+SENSOR+OCA)
2.44 [0.096](CG+DST)
1.80 [0.071](CG)
5.56 [0.219](TFT)

A

LENS
(T=1.8mm[0.071inch])
SCA
(T=0.2mm[0.008inch])
SENSOR
(T=0.7mm[0.028inch])
OCA
(T=0.25mm[0.010inch])

3M VHB
GPL060GF(T=0.64mm[0.025inch])

MAX. 4.0(CABLE vs TFT)

30.60±0.5 [1.205±0.020]

79.15±0.5 [3.116±0.020]

USB TYPE C

GROUNDING TAPE

DETAIL A
SCALE 4:1

0.20 [0.008]*45°
0.20 [0.008]*45°

LEDA   LEDK

LED Diagram Circuit
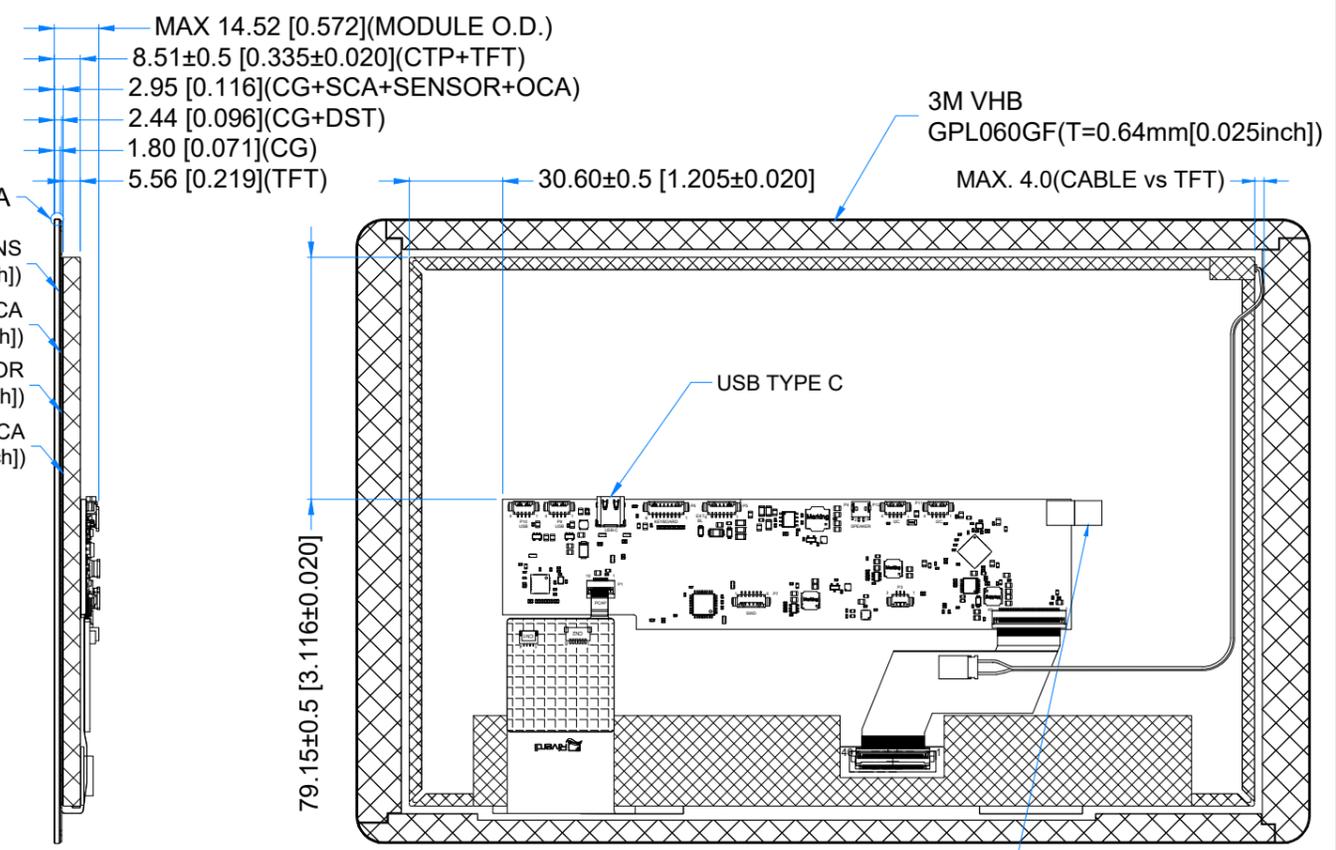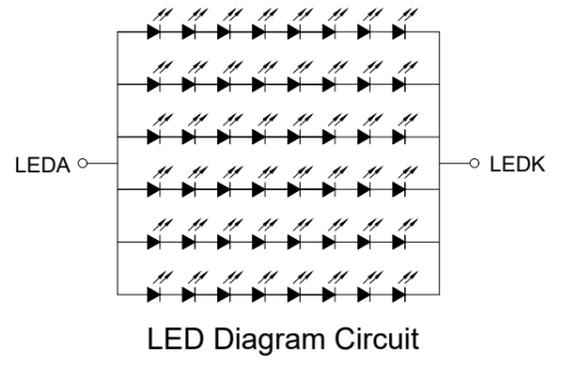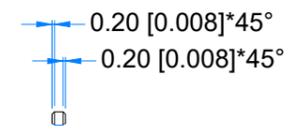
PINOUT ON THE 2ND PAGE

LCM NOTES:
1. LCD TYPE: TRANSMISSIVE, NORMALLY BLACK, IPS
2. RESOLUTION: 1280x800
3. VIEWING ANGLE: FREE
4. CONTROLLER IC OF MAIN BOARD: LT7911D
5. VIDEO INTERFACE: USB-C
6. POWER SUPPLY: USB-C
7. MODULE SURFACE LUMINANCE: 850cd/m^2

TP NOTES:
1. TP STRUCTURE: G+G
2. CG THICKNESS: 1.8mm[0.071inch]
3. SURFACE HARDNESS: 6H
4. DRIVER IC: ILI2511
5. INTERFACE: USB-C

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. RoHS3 COMPLIANT

PN: RVT121HVUNWC00-B	
SN:	

DRAWN: M.Suchocki	2025.04.11	1:2.31
CHECKED: M.Wierzbowski	2025.04.11	[mm]
APPR:	ISO A3	P. 1 of 1

Riverdi

EXTERNAL KEYBOARD CONNECTOR - P6

Pin No.	Desc.	Pin No.	Desc.
1	DOWN	2	UP
3	EXIT	4	MENU
5	PWR	6	LED_EN
7	GND	8	KEYBOARD VDD

BACKLIGHT PWM & POWER - P5

Pin No.	Desc.	Pin No.	Desc.
1	GND	2	GND
3	EN	4	PWM
5	VDD	6	VDD