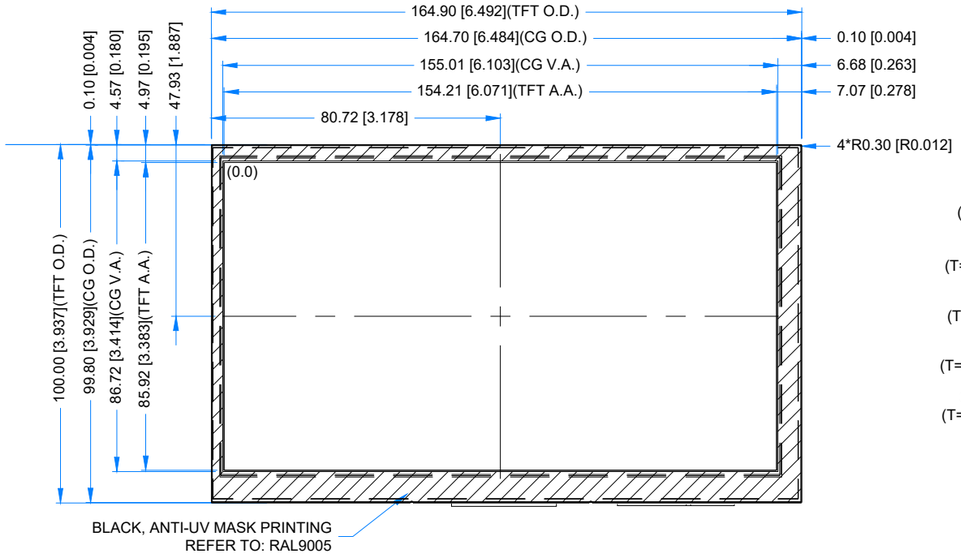
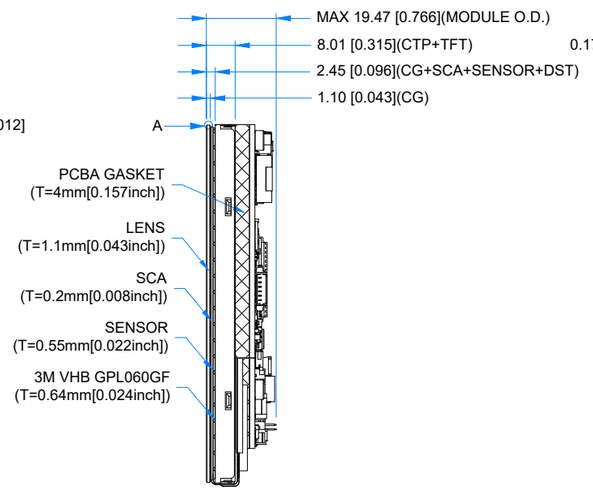
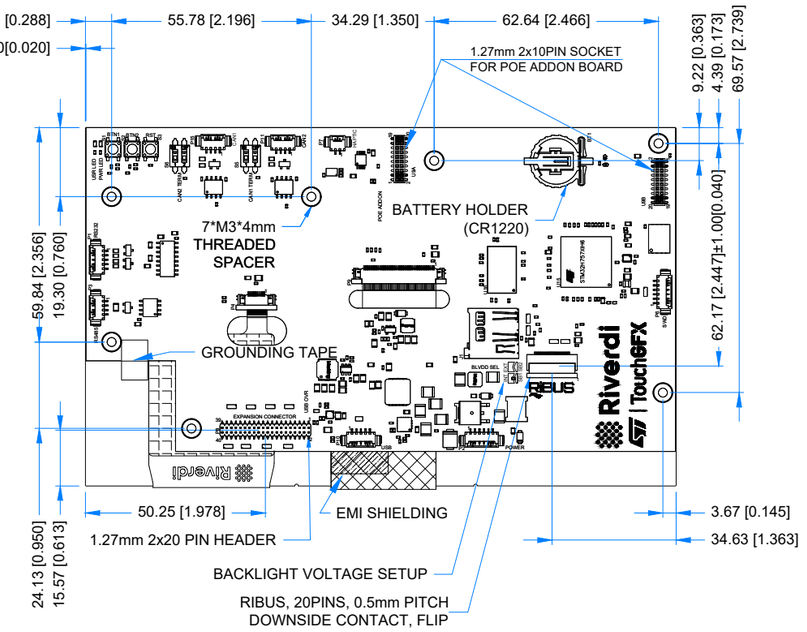
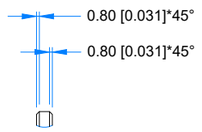
Revision:	Changes:	Date:
1.0	Initial Case	2026.01.12

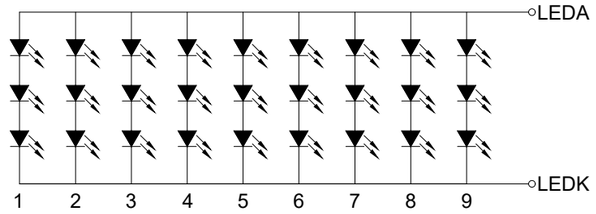






DETAIL A
SCALE 4:1





LED Diagram Circuit

1.25 MM MOLEX CONNECTORS

NO.	TYPE	MATE WITH
P1 (RS232)	53261-0571	51021-0500
P2 (POWER)	53261-0671	51021-0600
P3 (RS485)	53261-0471	51021-0400
P6 (SWD)	53261-0671	51021-0600
P7 (HAPTIC)	53261-0271	51021-0200
P10 (USB)	53261-0571	51021-0500
P11 (CAN1)	53261-0471	51021-0400
P15 (CAN2)	53261-0471	51021-0400

1.27MM PIN HEADER AND SOCKET

NO.	TYPE	MATE WITH
P8	CH51402M100-0P	CBC1402D100 OR CBC1402M100-2P
U9a & U9b	PBHTD20SPP	CH51202V100 OR CH51202M100-0P

TFT NOTES:
1. DISPLAY TYPE: TRANSMISSIVE, NORMALLY BLACK, IPS
2. RESOLUTION: 1024x600
3. VIEWING ANGLE: FREE
4. SURFACE LUMINANCE: 800 cd/m^2
5. MCU ON THE BOARD: STM32H757XIH6
6. EXTERNAL FLASH MEMORY SIZE:512Mbit
7. EXTERNAL SDRAM SIZE:64Mbit (32-bit access)
8. 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: RVT70HSSNWCA0 V2.1A				
SN:				
DRAWN:	M.Stabinski	2026.01.12	1:1.71	
CHECKED:	C.Gao	2026.01.21	[mm]	
APPR:	M.Wierzbowski	2026.01.21	ISO A3	P. 1 of 1