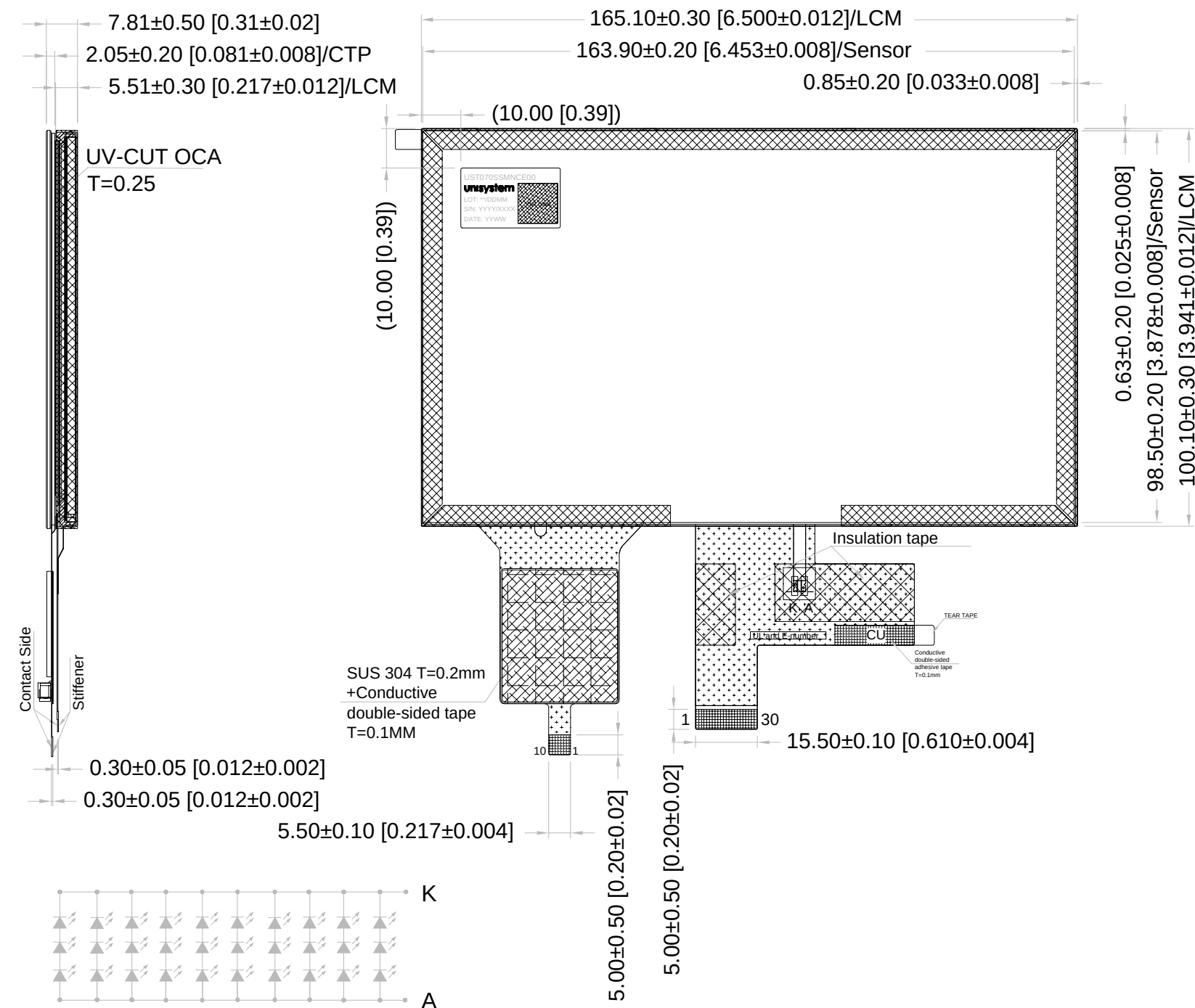




| General Tolerance± |         |      |     |     |     |
|--------------------|---------|------|-----|-----|-----|
| DIM                | Level   | 1    | 2   | 3   | 4   |
|                    | 0-5     | 0.05 | 0.1 | 0.1 | 0.2 |
|                    | 5-10    | 0.05 | 0.1 | 0.1 | 0.2 |
|                    | 10-50   | 0.05 | 0.1 | 0.2 | 0.3 |
|                    | 50-100  | 0.1  | 0.2 | 0.3 | 0.5 |
|                    | 100-150 | 0.1  | 0.2 | 0.5 | 0.8 |
| Level Select       |         |      |     |     | ◎   |

**TFT NOTES:**

1. DISPLAY TYPE: TRANSMISSIVE, IPS, NORMALLY BLACK, GLARE
2. COLOR DEPTH: 16.7M
3. RESOLUTION: 1024x600
4. VIEWING ANGLE: FULL
5. INTERFACE: MIPI DSI
6. DRIVER IC: JD9165BA
7. LOGIC VOLTAGE: 3.3V
8. SURFACE LUMINANCE: 900 cd/m<sup>2</sup>(WITH CTP)
9. BACKLIGHT: 30 WHITE CHIP LED  $V_F = 8.1\sim 9.9V$   $I_F = 250mA$   
LED LIFETIME: 100k hours.

**TP NOTES:**

1. TP STRUCTURE: G+G
2. INTERFACE: USB/I2C
3. DRIVER IC: ILI2520
4. OPERATING VOLTAGE: 3.3V(I2C); 5.0V(USB)
5. SURFACE HARDNESS:  $\geq 6H$
6. TRANSMITTANCE:  $\geq 85\%$
7. CG GLASS THICKNESS: 1.1mm

**GENERAL NOTES:**

1. OPERATING TEMPERATURE: -20°C ~ 70°C
2. STORAGE TEMPERATURE: -30°C ~ 80°C
3. WITHOUT INDIVIDUAL TOLERANCE: SEE TABLE
4. RoHS COMPLIANT
5. MAX. FLATNESS GEOMETRIC TOLERANCE OF THE SURFACE ON WHICH THE MODULE IS MOUNTED:  0.5
6. MIN. SURFACE ENERGY OF THE MATERIAL ON WHICH THE MODULE IS MOUNTED: 37 mN/m(dyn/cm)
7. MAX. FFC PULLING FORCE: TBD
8. SHELF TIME OF THE MODULE: 2 YEARS.
9. () - REFERENCE DIM; [] - INCH DIM.

|                      |
|----------------------|
|                      |
| PN: UST070SSMNCE00   |
| REV/DOC_VER: V2 / D1 |
| DRAWN: M.K.          |
| CHECKED: MP          |
| APPR: J.M.           |

|                                                                                       |        |                                                                                       |
|---------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|
|  |        |                                                                                       |
| 05.10.2026                                                                            | 1:1.39 |  |
| 05.10.2026                                                                            | [mm]   |                                                                                       |
| 05.10.2026                                                                            | ISO A3 |                                                                                       |

| LCD CONNECTOR |       |         |       |
|---------------|-------|---------|-------|
| Pin No.       | Desc. | Pin No. | Desc. |
| 1             | VLED+ | 16      | GND   |
| 2             | VLED+ | 17      | CLKP  |
| 3             | NC    | 18      | CLKN  |
| 4             | NC    | 19      | GND   |
| 5             | UPDN  | 20      | D1P   |
| 6             | SHLR  | 21      | D1N   |
| 7             | VLED- | 22      | GND   |
| 8             | VLED- | 23      | D0P   |
| 9             | NC    | 24      | D0N   |
| 10            | GND   | 25      | GND   |
| 11            | D3P   | 26      | STBYB |
| 12            | D3N   | 27      | RESET |
| 13            | GND   | 28      | VDD   |
| 14            | D2P   | 29      | VDD   |
| 15            | D2N   | 30      | NC    |

| TOUCH PANEL CONNECTOR |         |         |         |
|-----------------------|---------|---------|---------|
| Pin No.               | Desc.   | Pin No. | Desc.   |
| 1                     | USB_GND | 6       | I2C_VDD |
| 2                     | USB_VDD | 7       | I2C_RST |
| 3                     | USB_D-  | 8       | I2C_SCL |
| 4                     | USB_D+  | 9       | I2C_INT |
| 5                     | I2C_GND | 10      | I2C_SDA |

| CN1 CONNECTOR |         |         |         |
|---------------|---------|---------|---------|
| Pin No.       | Desc.   | Pin No. | Desc.   |
| 1             | USB_VDD | 3       | USB_D+  |
| 2             | USB_D-  | 4       | USB_GND |

| CN2 CONNECTOR |         |         |         |
|---------------|---------|---------|---------|
| Pin No.       | Desc.   | Pin No. | Desc.   |
| 1             | I2C_GND | 4       | I2C_SCL |
| 2             | I2C_VDD | 5       | I2C_INT |
| 3             | I2C_RST | 6       | I2C_SDA |

|     |     |                      |            |
|-----|-----|----------------------|------------|
| V2  | D1  | Adjusted FPC details | 25/09/2026 |
| V1  | D1  | Initial Case         | 18/06/2026 |
| Rev | Ver | Changes              | Data       |

PN: UST070SSMNCE00

REV/VER: V2 / D1

|             |            |        |  |
|-------------|------------|--------|--|
| DRAWN: M.K. | 02.10.2026 | 1:1.39 |  |
| CHECKED: MP | 02.10.2026 | [mm]   |  |
| APPR: J.M.  | 02.10.2026 | ISO A3 |  |