

51.05±0.50 [2.01±0.02]

100.10±0.30 [3.941±0.012]/CTP

86.52±0.20 [3.406±0.008]/CTP V.A

4.53±0.20 [0.178±0.008] (4.83 [0.19])

165.10±0.30 [6.500±0.012]/CTP  
154.81±0.20 [6.095±0.008]/CTP V.A  
3.64±0.20 [0.143±0.008]  
(154.21 [6.07])/A.A  
(3.94 [0.16])

(0,0) X:1024 max  
Y:600 max

7.0" TFT  
1024 RGB×600

4-R0.30 [R0.01]

TEAR TAPE

Black Silk

Anti-UV

57.42±0.50 [2.26±0.02]

UV-CUT OCA  
T=0.25

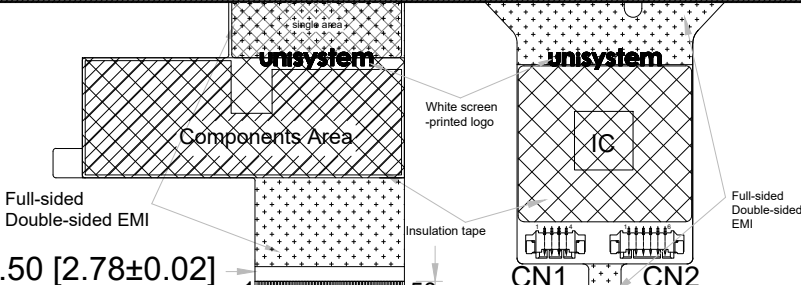
11.94±0.80 [0.47±0.03]  
4.95±0.50 [0.19±0.02]/CTP  
6.74±0.30 [0.265±0.012]/LCM

165.10±0.30 [6.500±0.012]/LCM  
163.90±0.20 [6.453±0.008]/Sensor  
0.85±0.20 [0.033±0.008]

(10.00 [0.39])

UST070HSRNC00  
unisystem  
LOT: \*\*DDMM  
S/N: YYYYXXXX  
DATE: YYYY

98.50±0.20 [3.878±0.008]/Sensor  
100.10±0.30 [3.941±0.012]/LCM



70.54±0.50 [2.78±0.02]

0.50±0.10 [0.020±0.004]

W=0.30±0.05 [0.012±0.002]

P0.5\*49=24.50±0.05 [0.965±0.002]

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 Sect  |      |     |     | ◎   |

3.50±0.30 [0.138±0.012]

3.00±0.30 [0.118±0.012]

W=0.30±0.05 [0.012±0.002]

0.50±0.10 [0.020±0.004]

P0.5\*9=4.50±0.05 [0.177±0.002]

32.10±0.50 [1.26±0.02]

Contact Side

Stiffener

SUS 304 T=0.2mm  
+Conductive  
double-sided tape  
T=0.1MM

0.30±0.05 [0.012±0.002]

0.30±0.05 [0.012±0.002]

5.50±0.10 [0.217±0.004]

5.00±0.50 [0.20±0.02]

5.00±0.50 [0.20±0.02]

25.50±0.10 [1.004±0.004]

Insulation tape

TEAR TAPE

Conductive  
double-sided  
adhesive tape  
T=0.1mm

unisystem

PN: UST070HSRNC00

REV/VER: V2 / D1

DRAWN: MK

07/10/2026

1:1.29

CHECKED: MP

07/10/2026

[mm]

APPR: J.M.

07/10/2026

ISO A3

P. 1 of 2

**TFT NOTES:**  
1. DISPLAY TYPE: TRANSMISSIVE, IPS, NORMALLY BLACK  
2. COLOR DEPTH: 16.7M  
3. RESOLUTION: 1024x600  
4. VIEWING ANGLE: FULL  
5. INTERFACE: RGB  
6. DRIVER IC: JD9165BA  
7. LOGIC VOLTAGE: 3.3V  
8. SURFACE LUMINANCE: 1900 cd/m<sup>2</sup>(WITH CTP)  
9. BACKLIGHT: 24 WHITE CHIP LED V<sub>F</sub>= 21.6~26.4V I<sub>F</sub>= 240mA  
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: ≥6H  
6. TRANSMITTANCE: ≥85%  
7. CG GLASS THICKNESS: 4.0mm

**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:  $\square \begin{smallmatrix} 0.5 \end{smallmatrix}$   
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.

| LCD CONNECTOR |       |         |       |
|---------------|-------|---------|-------|
| Pin No.       | Desc. | Pin No. | Desc. |
| 1             | LED+  | 26      | G1    |
| 2             | LED+  | 27      | G0    |
| 3             | LED-  | 28      | R7    |
| 4             | LED-  | 29      | R6    |
| 5             | GND   | 30      | R5    |
| 6             | NC    | 31      | R4    |
| 7             | VDD   | 32      | R3    |
| 8             | MODE  | 33      | R2    |
| 9             | DE    | 34      | R1    |
| 10            | VSYNC | 35      | R0    |
| 11            | HSYNC | 36      | GND   |
| 12            | B7    | 37      | DCLK  |
| 13            | B6    | 38      | GND   |
| 14            | B5    | 39      | L/R   |
| 15            | B4    | 40      | U/D   |
| 16            | B3    | 41      | NC    |
| 17            | B2    | 42      | NC    |
| 18            | B1    | 43      | NC    |
| 19            | B0    | 44      | RSTB  |
| 20            | G7    | 45      | NC    |
| 21            | G6    | 46      | NC    |
| 22            | G5    | 47      | STBYB |
| 23            | G4    | 48      | GND   |
| 24            | G3    | 49      | NC    |
| 25            | G2    | 50      | 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  | Initial Case | 07/10/2026 |
| V1  | D1  | Initial Case | 07/10/2026 |
| Rev | Ver | Changes      | Data       |