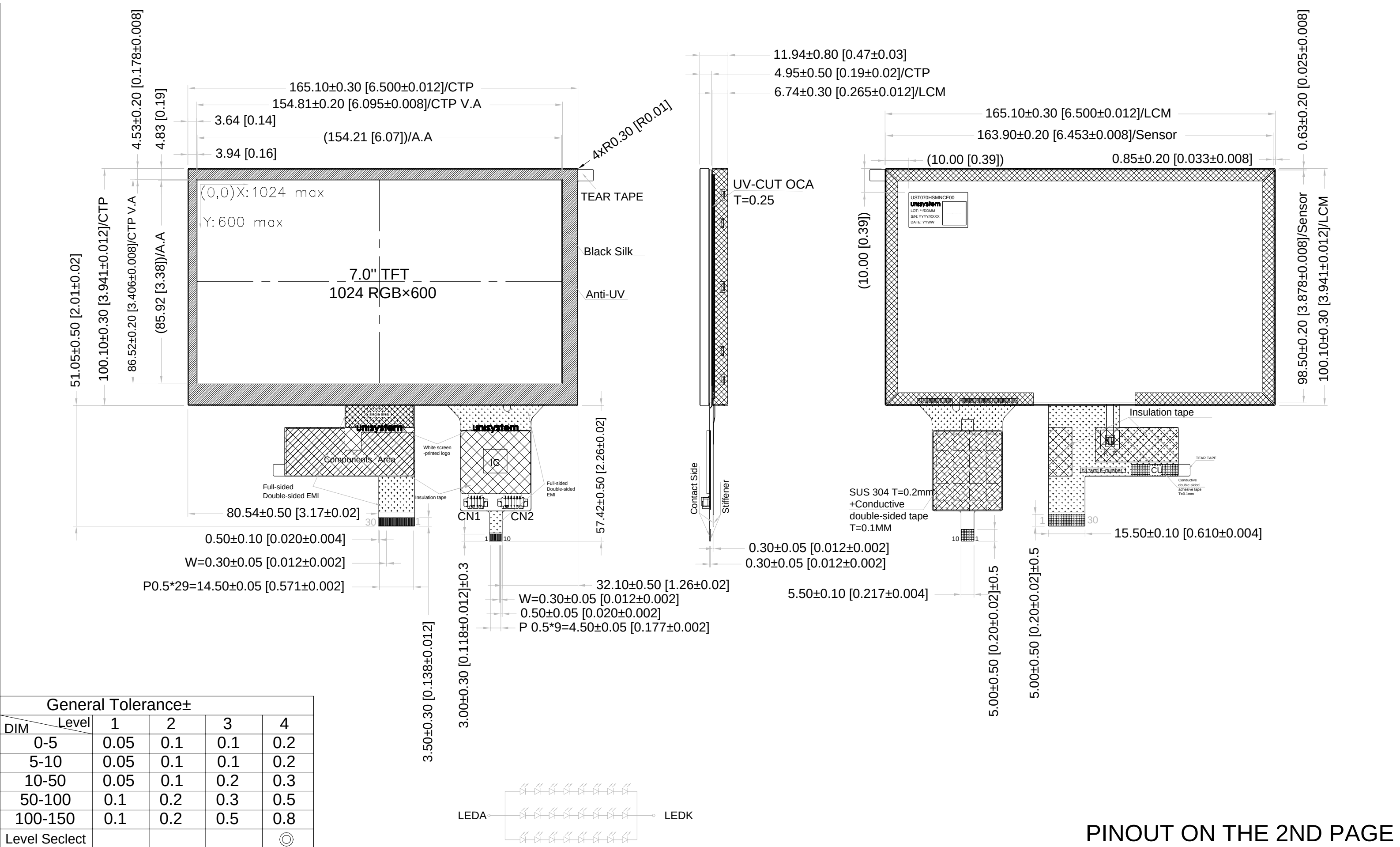




General Tolerance±					
DIM	Level	1	2	3	4
0-5		0.05	0.1	0.1	0.2
5-10		0.05	0.1	0.1	0.2
10-50		0.05	0.1	0.2	0.3
50-100		0.1	0.2	0.3	0.5
100-150		0.1	0.2	0.5	0.8
Level Seclect					◎

TFT NOTES:

1. DISPLAY TYPE: TRANSMISSIVE, IPS, NORMALLY BLACK
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: 1900 cd/m²(WITH CTP)
9. BACKLIGHT: 24 WHITE CHIP LED V_F= 21.6~26.4V I_F= 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: $\square 0.5$
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: UST070HSMNCE00

REV/DOC_VER: V1 / D1

DRAWN: M.K. 28.09.2026 1:1.42

CHECKED: MP 28.09.2026 [mm]

APPR: J.M. 28.09.2026 ISO A3 P. 1 of 2

unisystem

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

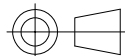
Pin No.	Desc.	Pin No.	Desc.
1	USB_GND	6	I2C_VDD
2	USB_VDD	7	I2C_RST
3	USB_D-	8	I2C_SCL
4	USB_D+	9	I2C_INT
5	I2C_GND	10	I2C_SDA

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

V1	D1	Initial Case			22/09/2026	
Rev	Ver	Changes			Data	
						
		PN: UST070HSMNCE00				
		REV/VER: V1 / D1				
		DRAWN: MP		22/09/2026	1:1.42	
		CHECKED: J.M.		22/09/2026	[mm]	
		APPR: J.M.		22/09/2026	ISO A3	