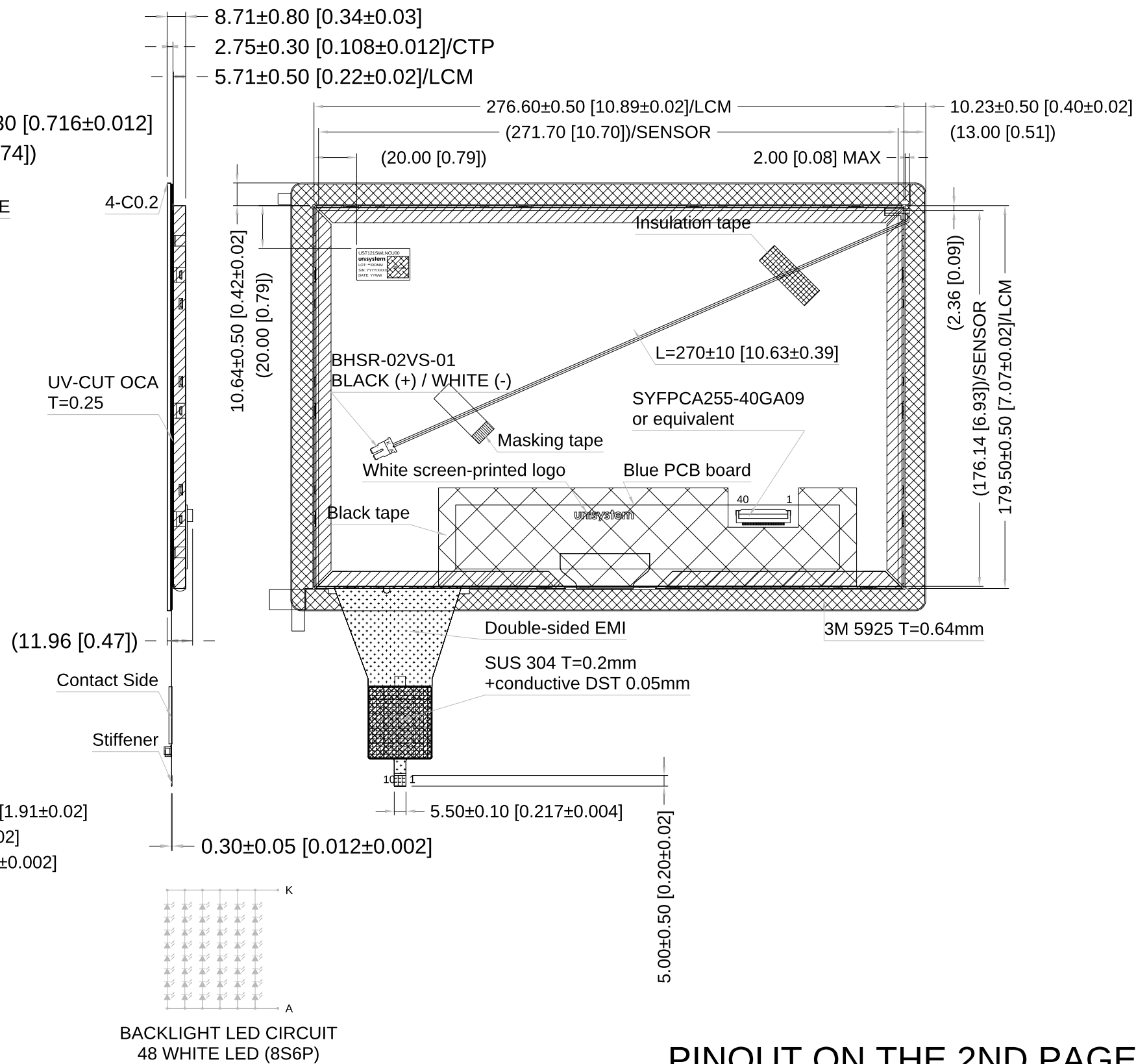
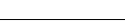




TFT NOTES: 1. DISPLAY TYPE: TRANSMISSIVE, IPS, NORMALLY BLACK 2. DISPLAY SIZE: 12.1" 3. RESOLUTION: 1280x800 4. VIEWING ANGLE: FULL 5. INTERFACE: LVDS 6. LOGIC VOLTAGE: 3.3V 7. SURFACE LUMINANCE: 900 cd/m² (TYP., WITH CTP) 8. BACKLIGHT: 48 WHITE LED (8S6P) VF= 21.6~25.6V, If= 360mA, LED LIFETIME: 100k 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: 1.8mm	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:UST121SWLNCU00				
			REV/DOC_VER: V2 / D1				
			DRAWN: CU	12.10.2026	1:2.3		
			CHECKED: J.M.	12.10.2026	[mm]		
APPR: J.M.	12.10.2026	ISO A3	P. 1 of 2				

unisystem

LCD CONNECTOR			
Pin No.	Desc.	Pin No.	Desc.
1	NC	21	RIN3+
2	VDD	22	GND
3	VDD	23	NC
4	VDD	24	NC
5	NC	25	GND
6	GND	26	NC
7	GND	27	NC
8	RIN0-	28	GND
9	RIN0+	29	NC
10	GND	30	NC
11	RIN1-	31	GND
12	RIN1+	32	GND
13	GND	33	GND
14	RIN2-	34	NC
15	RIN2+	35	NC
16	GND	36	NC
17	LVDS_CLK-	37	NC
18	LVDS_CLK+	38	NC
19	GND	39	NC
20	RIN3-	40	NC

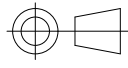
TOUCH PANEL CONNECTOR			
Pin No.	Desc.	Pin No.	Desc.
1	USB_GND	6	I2C_VDD
2	USB_VDD	7	I2C_RST
3	USB_D-	8	I2C_SCL
4	USB_D+	9	I2C_INT
5	I2C_GND	10	I2C_SDA

BACKLIGHT CONNECTOR			
Pin No.	Desc.	Pin No.	Desc.
1	LED+ (BLACK)	2	LED- (WHITE)

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	LCD PCB updated	12/10/2026
V1	D1	Initial Case	10/10/2026
Rev	Ver	Changes	Data

			unisystem			
			DRAWN: CU	12.10.2026	1:2.3	
			CHECKED: J.M.	12.10.2026	[mm]	
			APPR: J.M.	12.10.2026	ISO A3	