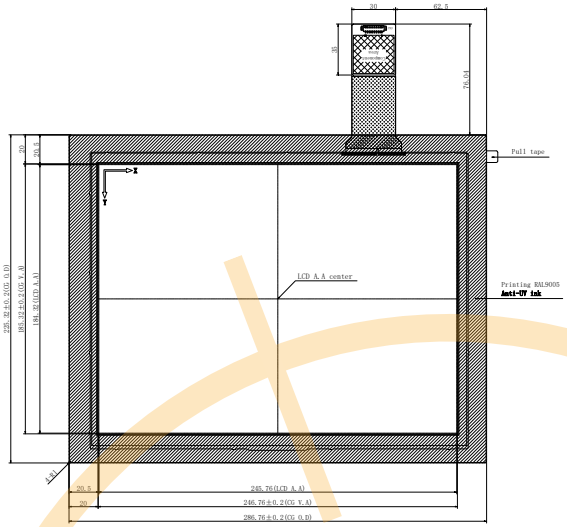
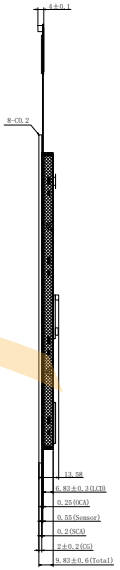
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RoHS

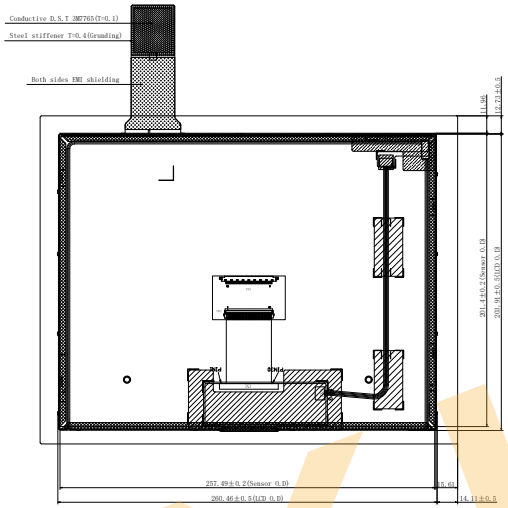
Front view

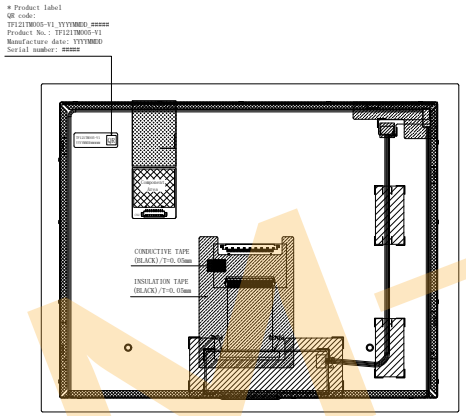


Side view



Back view





CN1: MSART2407P30(STM)

NO.	Symbol
1	VLED
2	VLED
3	VLED
4	NC
5	LED_EN
6	LED_PWM
7	NC
8	NC
9	VDD
10	VDD
11	NC
12	GND
13	RIN0-
14	RIN0+
15	GND
16	RIN1-
17	RIN1+
18	GND
19	RIN2-
20	RIN2+
21	GND
22	RCLK-
23	RCLK+
24	GND
25	RIN3-
26	RIN3+
27	GND
28	NC
29	NC
30	NC

CN2: Molex 53261-1071

NO.	Symbol
1	VDD5
2	SDA
3	SCL
4	INT
5	RST
6	GND
7	VDD5
8	D-
9	D+
10	GND_E

General Specification:
1. Structure:G+G+LCD, Optical bonding
   CG: soda-lime glass, Chemical strengthened
2. 12.1"IPS TFT-LCD(TF121XGI30MSL05)
   Transmissive, Normally Black, 1024*(RGB)*768
3. Surface Hardness:≥6H
4. LCD interface: LVDS
5. CTP IC: EXC81W32, TX23*RX30
   CTP interface: USB/I2C
6. LCD Power supply: VDD=3.3V
   Backlight Power supply: VLED=12V
   CTP Power supply: VDD5=5V
   I2C I/O signal voltage: 3.3V
7. Operating Temp.: -30 to 30℃ ⚠
   Storage Temp.: -30 to 85℃
8. Luminance: 650cd/m2(Min.), 850cd/m2(Typ.)
9. General Tolerance: ±0.3

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				PART NAME	CTP+LCD					
				DESIGNED:	ZHU	2026/10/23	DRAWING NUMBER:	/	3rd ANGLE	
				CHECKED:	JUN	2026/10/23	MODEL NAME:	TF121TM005	UNIT	mm
1	⚠	Update operating and storage Temp.	2026/10/23	APPROVED:	JUN	2026/10/23	MODEL REV.:	V1	SCALE	1:1
Rev.	EC. NO	DESCRIPTION	DATE	CUSTOMER APPROVED:			CUSTOMER MODEL:	/	PAGE	1/1

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Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer’s technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.

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