Dimensions (top view)

- 237.4±0.3(LCM OUTLINE)
- 236.8(GASKET OUTLINE) — 0.3
- 231.25(GASKET OPENING) — 3.08
- 230.25(LCD V.A.) — 3.54
- 229.25(LCD A.A.) — 4.04
- 118.73±0.50

- 0.3
- 2.9
- 3.4
- 3.9
- 26.82±0.50

- 57.65±0.3(LCM OUTLINE)
- 57.05(GASKET OUTLINE)
- 47.85(GASKET OPENING)
- 46.85(LCD V.A.)
- 45.85(LCD A.A.)

9.2" TFT
1920*RGB*384
FULL VIEWING ANGLE

PULL TAPE

- 54.44±0.50
- 27.94
- 3.8±0.5
- 2-10.0
- WHITE PRINTING
- 110.56±0.50
- 12.0±0.5 △4
- 12.0±0.5 △4
- 25.0±0.5
- 14.62±0.50

Side view

- 14.0MAX.
- 6.25±0.20
- 5.8±0.2
- 6.8±0.5

STIFFENER — CONTACT SIDE
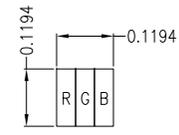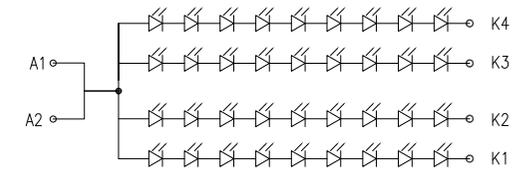- 0.30±0.03

△4

STIFFENER — CONTACT SIDE
- 0.30±0.03

NOTES:

1. DISPLAY TYPE: TFT, TRANSMISSIVE, NORMALLY BLACK
2. OPERATING VOLTAGE: DVDD=3.3V (TYP.) △2
3. VIEWING DIRECTION: FULL VIEWING ANGLE
4. DRIVER IC: HX8691+HX8290
5. OPERATING TEMP.: −30°C ~ 85°C
6. STORAGE TEMP.: −40°C ~ 85°C
7. LED BACKLIGHT: WHITE LED, IF=200mA, VF=23.4V~30.6V
8. SURFACE LUMINANCE: 1200 CD/M^2 (MIN.)
9. TOP POLARIZER SURFACE TREATMENT: ANTI-GLARE
10. TFT RECOMMEND MATCHING CONNECTOR: HRS FH28-30S-0.5SH OR EQUIVALENT
11. B/L RECOMMEND MATCHING CONNECTOR: HRS FH28-10S-0.5SH OR EQUIVALENT
12. ONLY THE SINGLE LAYER AREA ON FPC IS BENDABLE AND THE MINIMUM BEND RADIUS IS 1.5MM
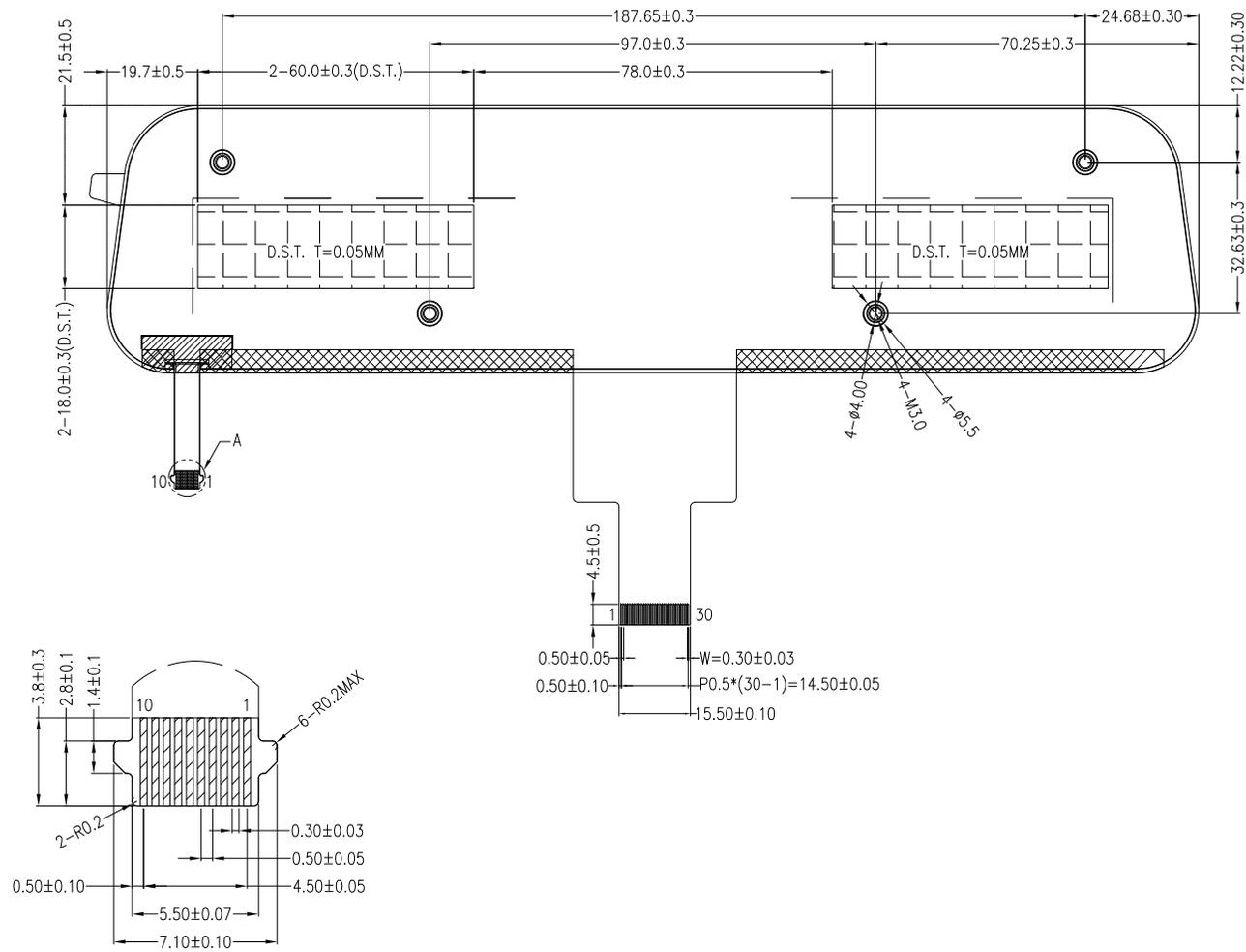13. GENERAL TOLERANCE: ±0.4MM
14. ROHS COMPLIANT

PIXEL DETAIL
(SCALE 100:1)

- 0.1194
- 0.1194

| R | G | B |

BACKLIGHT CIRCUIT DIAGRAM

A1
A2

K4
K3
K2
K1

PIN DESCRIPTION FOR TFT

PIN	SYMBOL
1	RL
2	DVDD
3	DVDD
4	GND
5	RESET
6	STBYB
7	GND
8	FAIL_DECT
9	SPI_SDAO
10	SPI_SDAI
11	SPI_SCL
12	SPI_CSB
13	TB
14	GND
15	NIND0
16	PIND0
17	GND
18	NIND1
19	PIND1
20	GND
21	NINC
22	PINC
23	GND
24	NIND2
25	PIND2
26	GND
27	NIND3
28	PIND3
29	GND
30	OTP

PIN DESCRIPTION FOR BACKLIGHT

PIN	SYMBOL
1	A1
2	A2
3	NC
4	NTC+
5	NTC-
6	NC
7	K1
8	K2
9	K3
10	K4

DETAIL B
(SCALE 5:1)

NOTES:

1. GENERAL TOLERANCE: ±0.4MM
2. ROHS COMPLIANT

MULTI-INNO TECHNOLOGY CO., LTD.

04	MODIFY THE FPC STIFFENER DESIGN	CAROL	2025.09.19
03	MODIFY THE INTERFACE DEFINITIONS FOR PIN1 AND PIN13	CAROL	2025.09.10
02	CHANGE OPERATING VOLTAGE FROM 5.0V TO 3.3V	CAROL	2025.09.09
01	FIRST ISSUE	CAROL	2025.09.08
VER.	REVISED DESCRIPTION	REVISER	DATE

DRAWN BY:	CAROL		MODULE P/N:
CHECKED BY:		SCALE : 1/1	MI0920BT-2
APPROVED BY:		UNIT: mm	DESCRIPTION:
VERSION NO:	04	SHEET NO: 2/2	TFT MODULE