FOR ANY TOUCH PANEL OR OTHER ACCESSORIES ASSEMBLED WITH FRAME GLUE, A PERMANENT AND RELIABLE MECHANICAL STRUCTURE NEEDS TO BE DESIGNED ON CUSTOMER'S WHOLE MACHINE TO HOLD THEM IN PLACE TO AVOID LOOSE.

PIN ASSIGNMENT

PIN	SYMBOL
1	VCC
2	RESET
3	MIPI_TDN0
4	MIPI_TDP0
5	GND
6	MIPI_TCN
7	MIPI_TCP
8	GND
9	LED+
10	LED−

25.8±0.2(LCM OUTLINE)
23.70(LCD V.A.)
22.70(LCD A.A.)
12.90±0.50
1.05
1.55
1.00
1.50

REMOVE TAPE

1.9" TFT
170*RGB*320
FULL VIEWING ANGLE

22.86±0.50
50.0±0.2(LCM OUTLINE)
43.72(LCD V.A.)
42.72(LCD A.A.)

30.0±0.5
17.0
1.5±0.3

1   10

W=0.30±0.03
P=0.50±0.05
4.50±0.05
0.5±0.1
5.5±0.1
10.15±0.50

3.6±0.2

CONTACT SIDE   PI STIFFENER
0.30±0.03

6.3   6.3
2.5±0.3

NOTES:

1. DISPLAY TYPE: TFT, TRANSMISSIVE, NORMALLY BLACK
2. OPERATING VOLTAGE: VCC=2.8V (TYP.)
3. VIEWING DIRECTION: FULL VIEWING ANGLE
4. DRIVER IC: ST7785M
5. OPERATING TEMP.: −30°C ~ 80°C
6. STORAGE TEMP.: −30°C ~ 85°C
7. BACKLIGHT: WHITE LED, IF=160mA, VF=2.8V~3.4V
8. SURFACE LUMINANCE: 1000CD/M^2 (MIN.)
9. TOP POLARIZER SURFACE TREATMENT: ANTI-GLARE
10. RECOMMEND MATCHING CONNECTOR: HRS FH34SRJ-10S-0.5SH OR EQUIVALENT
11. ONLY THE SINGLE LAYER AREA ON FPC IS BENDABLE AND THE MINIMUM BEND RADIUS IS 1.5MM
12. UNMARKED TOLERANCE: ±0.2MM
13. ROHS COMPLIANT

0.1335
0.1335

R G B R
R G B R

PIXEL DETAIL
(SCALE 40:1)

LEDA   LEDK

BACKLIGHT CIRCUIT DIAGRAM
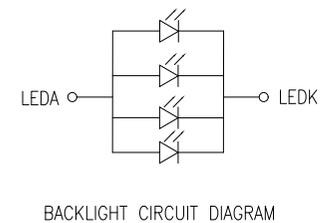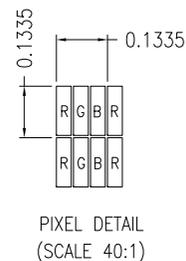
MULTI-INNO TECHNOLOGY CO., LTD.

DRAWN BY:	RITA		MODULE P/N:
CHECKED BY:		SCALE : 1/1	MI0190DT-2
01	FIRST ISSUE	RITA	2025.09.12	APPROVED BY:		UNIT: mm	DESCRIPTION:
VER.	REVISED DESCRIPTION	REVISER	DATE	VERSION NO:	01	SHEET NO: 1/1	TFT MODULE