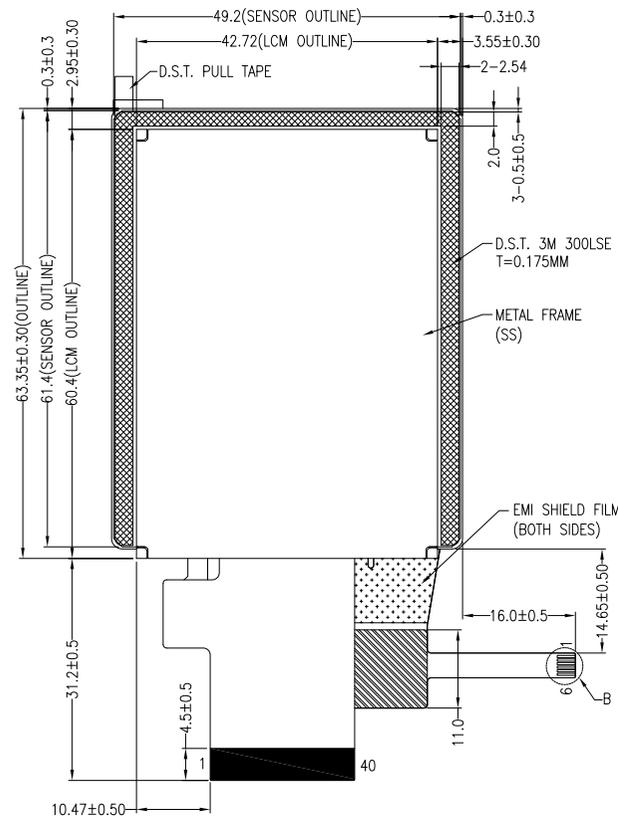
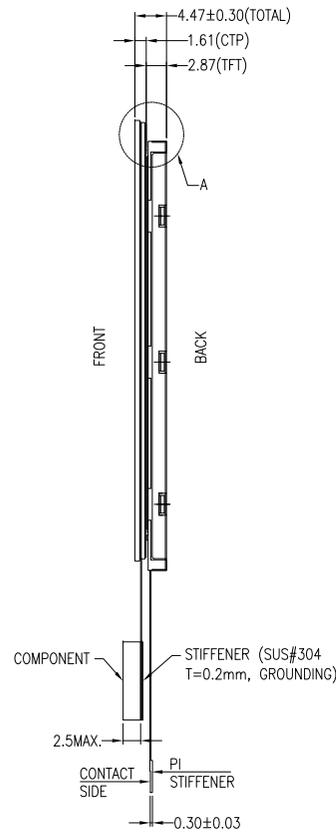
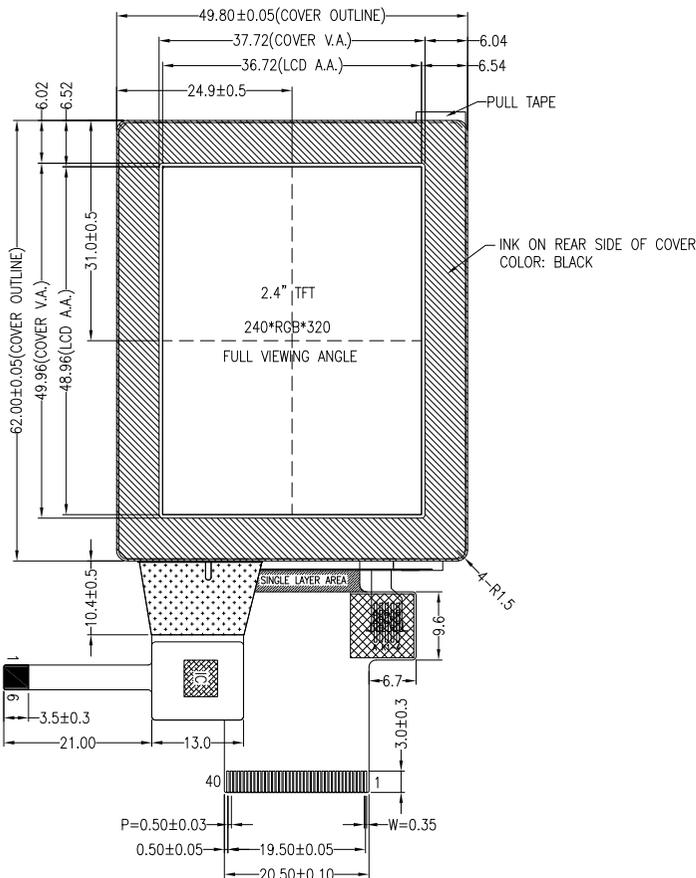


FOR ANY TOUCH PANEL OR OTHER ACCESSORIES ASSEMBLED WITH FRAME GLUE, A PERMANENT AND RELIABLE MECHANICAL STRUCTURE NEEDS TO BE DESIGNED ON CUSTOMER'S WHOLE MACHINE TO HOLD THEM IN PLACE TO AVOID LOOSE.

THE MCU INTERFACE MODE SELECT

IMO	MCU INTERFACE MODE	DATA PIN
0	80-8BIT PARALLEL I/F	DB [7:0]
1	80-16BIT PARALLEL I/F	DB [15:0]

CTP PIN DESCRIPTION		TFT PIN ASSIGNMENT	
PIN	SYMBOL	PIN	SYMBOL
1	VSS	1	GND
2	VDD	2	NC
3	SCL	3	NC
4	SDA	4	NC
5	INT	5	NC
6	RESET	6	NC
7	VCC	7	VCC
8	IOVCC	8	IOVCC
9	FMARK	9	FMARK
10	CS	10	CS
11	RS	11	RS
12	WR	12	WR
13	RD	13	RD
14	DB0	14	DB0
15	DB1	15	DB1
16	DB2	16	DB2
17	DB3	17	DB3
18	DB4	18	DB4
19	DB5	19	DB5
20	DB6	20	DB6
21	DB7	21	DB7
22	DB8	22	DB8
23	DB9	23	DB9
24	DB10	24	DB10
25	DB11	25	DB11
26	DB12	26	DB12
27	DB13	27	DB13
28	DB14	28	DB14
29	DB15	29	DB15
30	RESET	30	RESET
31	IMO	31	IMO
32	NC	32	NC
33	GND	33	GND
34	LEDK1	34	LEDK1
35	LEDK2	35	LEDK2
36	LEDK3	36	LEDK3
37	LEDK4	37	LEDK4
38	LEDA	38	LEDA
39	GND	39	GND
40	NC	40	NC



NOTES FOR TFT:

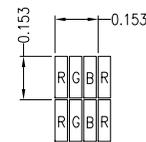
1. DISPLAY TYPE: TFT, TRANSLUCTIVE, NORMALLY BLACK
2. OPERATING VOLTAGE: VCC=2.8V (TYP.), IOVCC=1.8V/2.8V
3. VIEWING DIRECTION: FULL VIEWING ANGLE
4. DRIVER IC: ST7789T3
5. BACKLIGHT TYPE: WHITE LED, If=80mA, Vf=2.8V~3.4V
6. TOP POLARIZER SURFACE TREATMENT: GLARE
7. RECOMMEND MATCHING CONNECTOR: HRS FH19SC-40S-0.3SH OR EQUIVALENT

NOTES FOR OTHERS:

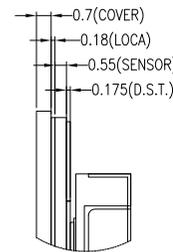
1. OPERATING TEMP: -20°C ~ 70°C
2. STORAGE TEMP: -30°C ~ 80°C
3. SURFACE LUMINANCE: 85 CD/M² (TYP.)
4. ONLY THE SINGLE LAYER AREA ON FPC IS BENDABLE AND THE MINIMUM BEND RADIUS IS 1.5MM
5. GENERAL TOLERANCE: ±0.2MM
6. ROHS COMPLIANT

NOTES FOR COVER:

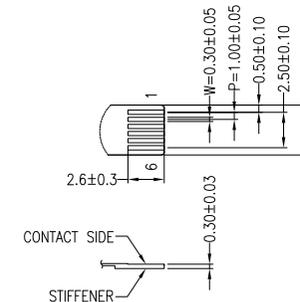
1. 2.4 INCH PROJECTIVE CAPACITIVE TOUCH PANEL
2. COVER GLASS + SENSOR GLASS + FPCA
3. OPERATING VOLTAGE: VDD=2.8V~3.3V
4. DRIVER IC: GT1151QM
5. INTERFACE: IIC
6. RESOLUTION: 240*320
7. MULTI FINGER: UP TO 5
8. HARDNESS OF COVER SURFACE: 6H(750g)
9. FIRMWARE FILE: TBD



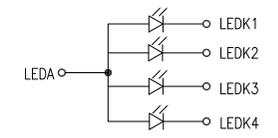
PIXEL DETAIL (SCALE 40:1)



DETAIL A (SCALE 2:1)



DETAIL B (SCALE 2:1)



BACKLIGHT CIRCUIT DIAGRAM

MULTI-INNO TECHNOLOGY CO., LTD.					
DRAWN BY:	CAROL		MODULE P/N:		
CHECKED BY:			MI0240BHT-1CP-A		
APPROVED BY:		UNIT: mm	DESCRIPTION:		
VERSION NO:	01	SHEET NO: 1/1	TFT + CTP MODULE		

01	FIRST ISSUE	CAROL	2025.11.06	APPROVED BY:	
VER.	REVISED DESCRIPTION	REVISOR	DATE	VERSION NO:	01