

FPC BENDING REFERENCE DIAGRAM

NOTE FOR TFT:

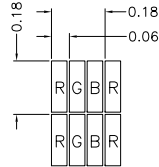
1. DISPLAY TYPE: TFT, TRANSMISSIVE, NORMALLY WHITE
2. OPERATING VOLTAGE: VDDI=1.8V/2.8V(TYP.), VCI=2.8V(TYP.)
3. VIEWING DIRECTION: 6 O'CLOCK
4. DRIVER IC: ST7789V2
5. LED BACKLIGHT: 4-CHIP WHITE LED, IF=80mA, VF=2.8V~3.4V
6. TOP POLARIZER SURFACE TREATMENT: GLARE

NOTE FOR OTHERS:

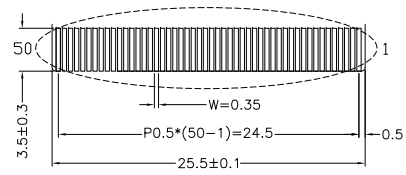
1. OPERATING TEMP.: -20°C ~ 70°C
2. STORAGE TEMP.: -30°C ~ 80°C
3. SURFACE LUMINANCE: 255 CD/M² (TYP.) WITH CTP
4. THE SINGLE LAYER AREA OF FPC IS BENDABLE AND THE BENDING RADIUS MUST BE NOT LESS THAN 1.5MM
5. GENERAL TOLERANCE: ±0.2MM
6. ROHS COMPLIANT

NOTE FOR CTP:

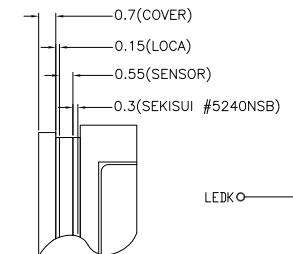
1. 2.83 INCH PROJECTIVE CAPACITIVE TOUCH PANEL
2. COVER GLASS + SENSOR GLASS + FPCA
3. OPERATING VOLTAGE: VCI=2.8V(TYP.)
4. DRIVER IC: FT5446-P03(SMT)
5. INTERFACE: I²C
6. RESOLUTION: 240*320 PIXELS
7. MULTI FINGER: UP TO 10
8. HARDNESS OF COVER SURFACE: ≥6H(750g)
9. FIRMWARE FILE: TBD



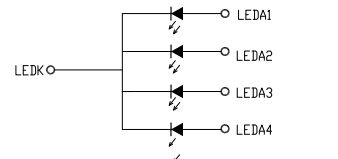
DETAIL A (SCALE 50:1)



DETAIL B (SCALE 2:1)



DETAIL C (SCALE 4:1)



BACKLIGHT CIRCUIT DIAGRAM

PIN DESCRIPTION	
PIN	SYMBOL
1	LEDK
2	LEDA1
3	LEDA2
4	LEDA3
5	LEDA4
6	IMO
7	IM1
8	IM2
9	IM3
10	RESET
11	VSYNC
12	HSYNC
13	DOTCLK
14	DE
15	DB17
16	DB16
17	DB15
18	DB14
19	DB13
20	DB12
21	DB11
22	DB10
23	DB9
24	DB8
25	DB7
26	DB6
27	DB5
28	DB4
29	DB3
30	DB2
31	DB1
32	DB0
33	SDO
34	SDI
35	RD
36	WRX/(D/CX)
37	D/CX(SCL)
38	CSX
39	TE
40	VDDI
41	VDDI
42	VCI
43	GND
44	TP_SCL
45	TP_SDA
46	TP_INT
47	TP_RESET
48	GND
49	GND
50	GND



MULTI-INNO TECHNOLOGY CO.,LTD.

DRAWN BY: JREEY 2021.05.26	MODULE P/N: M0283Q3T-13CP
CHECKED BY:	SCALE : 1/1
APPROVED BY:	UNIT: mm
VERSION NO: 01	SHEET NO.: 1/1
DESCRIPTION: TFT+CTP MODULE	

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VER.	REVISED DESCRIPTION	REVISOR	DATE