



NOTES FOR TFT:

1. DISPLAY TYPE: TFT, TRANSMISSIVE, NORMALLY BLACK
2. OPERATING VOLTAGE: VCC=IOVCC=3.3V (TYP.)
3. VIEWING DIRECTION: FULL VIEWING ANGLE
4. DRIVER IC: ST7701S
5. LED BACKLIGHT: 8-CHIP WHITE LED, If=40mA, Vf=12.8V±0.8V
6. TOP POLARIZER SURFACE TREATMENT: ANTI-GLARE

NOTES FOR OTHERS:

1. OPERATING TEMP.: -20°C ~ 70°C
2. STORAGE TEMP.: -30°C ~ 80°C
3. SURFACE LUMINANCE: 450 CD/M<sup>2</sup> (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

NOTES FOR CTP:

1. 4.0 INCH PROJECTIVE CAPACITIVE TOUCH PANEL
2. COVER GLASS + SENSOR GLASS + FPCA
3. OPERATING VOLTAGE: TP\_VCI=2.8V~3.3V
4. DRIVER IC: FT5446-P03
5. INTERFACE: I<sup>2</sup>C
6. RESOLUTION: 480\*480
7. MULTI FINGER: UP TO 5
8. HARDNESS OF COVER SURFACE: 7H
9. FIRMWARE FILE: TBD

PIN	SYMBOL	PIN DESCRIPTION
1	GND	GND
2	LEDA	LEDA
3	LEDK	LEDK
4	VCC	VCC
5	IOVCC	IOVCC
6	SDO	SDO
7	SDI	SDI
8	GND	GND
9	SCL_WR	SCL_WR
10	CS	CS
11	NC	NC
12	RESET	RESET
13	RO	RO
14	R1	R1
15	R2	R2
16	R3	R3
17	R4	R4
18	R5	R5
19	R6	R6
20	R7	R7
21	G0	G0
22	G1	G1
23	G2	G2
24	G3	G3
25	G4	G4
26	G5	G5
27	G6	G6
28	G7	G7
29	B0	B0
30	B1	B1
31	B2	B2
32	B3	B3
33	B4	B4
34	B5	B5
35	B6	B6
36	B7	B7
37	DE	DE
38	GND	GND
39	PLK	PLK
40	GND	GND
41	HS	HS
42	VS	VS
43	TP_GND	TP_GND
44	LED_PWM	LED_PWM
45	TP_INT	TP_INT
46	TP_SDA	TP_SDA
47	TP_SCL	TP_SCL
48	TP_RESET	TP_RESET
49	TP_VCI	TP_VCI
50	TP_IOVCC	TP_IOVCC

PIXEL DETAIL

DETAIL A (SCALE 2:1)

BACKLIGHT CIRCUIT DIAGRAM

MULTI-INNO TECHNOLOGY CO., LTD.			
DRAWN BY:	CAROL	2019.12.12	MODULE P/N:
CHECKED BY:			MIO400MT-2CP
APPROVED BY:			DESCRIPTION:
VER.	02	2020.10.30	TFT + CTP MODULE
REVISED DESCRIPTION	REVISOR	DATE	VERSION NO:
			SCALE : 1/1
			UNIT: mm
			SHEET NO.: 1/1

01	CORRECT SURFACE LUMINANCE FROM 260NITS TO 450NITS	CAROL	2020.10.30
02	FIRST ISSUE	CAROL	2019.12.12