

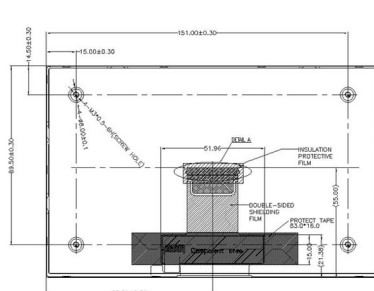
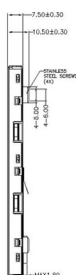


Feb. 27th, 2020

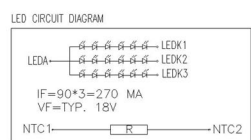
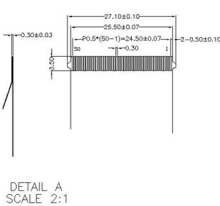
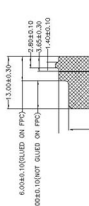
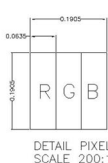
- | | | | |
|-----------------|-------------------------|-----------------------------|--------------------|
| P/N | MI0700BUT-1 | Size (inch) | 7.00 |
| Resolution | 800xRGBx480 | Viewing Direction | Full viewing angle |
| A.A. (mm) | 152.40x91.44 | Outline Size (mm) | 166.60x105.80x7.50 |
| Contrast (Cr) | 1000 | Brightness (nits) | 1000 |
| Operating Temp. | -30℃~85℃ | Storage Temp. | -40℃~95℃ |
| Interface | 24-bit RGB + 3-wire SPI | Touch Panel
(Selectable) | RTP
CTP |



No.	Test Item	Test Condition
1	High Temperature Storage (Non-Operation)	95°C ± 2°C / 500Hrs.
2	Low Temperature Storage (Non-Operation)	-40°C ± 2°C / 500Hrs.
3	High Temperature Operating (Operation)	85°C ± 2°C / 500Hrs. BL current: 27mA
4	Low Temperature Operating (Operation)	-30°C ± 2°C / 500Hrs. BL current: 270mA
5	Damp Proof Test Operating (Operation)	60°C, 90%RH 500Hrs.
6	Thermal Shock Test (Non-operating)	-40°C(30Min.) ~ +85°C(30Min.) 120Cycles
7	UV Exposure Resistance	Xenon arc lamp, light intensity: 1120W/m2. Chamber temperature: +40°C. Total 72hrs. According to IEC 68-2-5 Sa-A
8	Electro Static Discharge Test	Air discharge: C=150pF±10%, R=330Ω±10%, 5point/panel Air: ±15KV, 5times. Contact discharge: C=150pF±10%, R=330Ω±10%, 5 point/panel Contact: ±8KV, 5times
9	Ghosting Test	25°C; 2hours
10	Vibration Test (Packing Condition)	10Hz~55Hz~10Hz amplitude 1.5mm. 2hours for each X, Y, Z direction.
11	Impact Test	980m/s2 • 6ms, ±X; ±Y; ±Z 3 times for each direction (JIS C0041, A-7 Condition C)

[illegible]

TFT PIN DESCRIPTION			
PIN	SYMBOL	PIN	SYMBOL
1	NTC1	26	G4
2	LEDK1	27	G3
3	LEDK2	28	C2
4	LEDK3	29	G1
5	NTC2	30	G0
6	LEDA	31	GND
7	LEDA	32	R7
8	NC	33	R6
9	DVDD	34	R5
10	DE	35	R4
11	GND	36	R3
12	DCLK	37	R2
13	GND	38	R1
14	B7	39	R0
15	B6	40	GND
16	B5	41	STBYB
17	B4	42	LR
18	B3	43	UD
19	B2	44	RESET
20	B1	45	GND(AG_GND)
21	B0	46	SDA
22	GND	47	SCL
23	G7	48	CSB
24	G6	49	NC(VDDOTP)
25	G5	50	ATREN



- NOTES:
1. DISPLAY TYPE: IPS TFT, TRANSMISSIVE, NORMALLY BLACK.
 2. OPERATING VOLTAGE: DVID=3.3V.
 3. VIEWING DIRECTION: FULL VIEWING ANGLE.
 4. DRIVER IC: HX8290-A*1 + HX8664-B*1.
 5. OPERATING TEMP.: -30°C ~ 85°C.
 6. STORAGE TEMP.: -40°C ~ 95°C.
 7. LED BACKLIGHT: 18-CHIP WHITE LED, If=270mA, Vf=18V.
 8. SURFACE LUMINANCE: 1000CD/M²(TYP.).
 9. TOP POLARIZER SURFACE TREATMENT: ANTI-GLARE.
 10. CONNECTOR: FH280-50S-0.5SH (HIROSE).
 11. GENERAL TOLERANCE: ±0.3.
 12. ROHS COMPLIANT.

01	FIRST ISSUE	CAROL	2020.01.11
VER.	REVISED DESCRIPTION	REVISER	DATE

 MULTI-INNO TECHNOLOGY CO.,LTD.			
DRAWN BY:	CAROL	2020.01.16	
CHECKED BY:			MODULE P/N: MI0700BUT-1
APPROVED BY:			UNIT: mm DESCRIPTION:
VERSION NO:	01		SHEET NO: 1/1 TFT MODULE