



RAYSTAR

RAYSTAR Optronics, Inc.
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RFB606750A-AYW-LNN

General Specifications

- Size : 6.75 inch
- Dot Matrix : 480 x 3(RGB) x 1280 dots
- Module dimension : 66.8 x 181.1 x 4.55 mm
- Active area : 60.19 x 160.512 mm
- Pixel pitch : 0.1254 x 0.1254 mm
- LCD type : TFT, Normally Black ,Transmissive
- View Angle : 85/85/85/85
- Driver IC : NV3051F-L
- Interface : LVDS
- Backlight Type : LED, Normally White
- Touch Panel : Without Touch Panel
- Surface : Glare

Interface

LCM PIN Definition

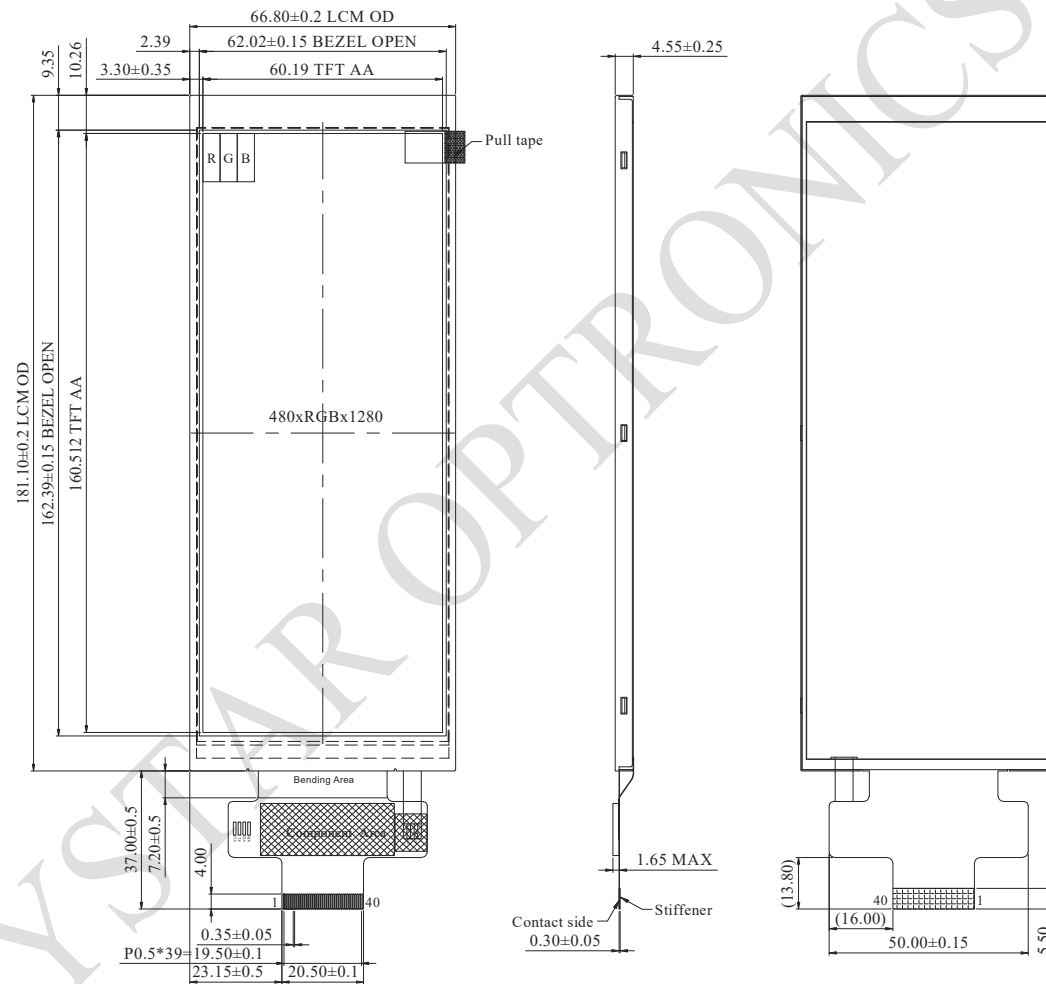
Pin No.	Symbol	Pin Description
1	NC	No connection
2 -3	VCC	Power supply
4	NC	No connection
5	RESET	Global Reset Signal. Active Low.
6	STBYB	Standby mode, normally pull high STBYB="1", normal operation STBYB="0",timming control, source driver will turn off, all output are high-Z
7	GND	Ground
8	RXIN0-	LVDS data Input
9	RXIN0+	LVDS data Input
10	GND	Ground
11	RXIN1-	LVDS data Input
12	RXIN1+	LVDS data Input
13	GND	Ground
14	RXIN2-	LVDS data Input
15	RXIN2+	LVDS data Input
16	GND	Ground
17	RXCLKIN-	LVDS clock Input.
18	RXCLKIN+	LVDS clock Input.
19	GND	Ground
20	RXIN3-	LVDS data Input
21	RXIN3+	LVDS data Input
22	GND	Ground
23	NC(YU)	No connection
24	NC(XL)	No connection
25	GND	Ground
26	NC(YD)	No connection
27	NC(XR)	No connection
28-29	NC	No connection
30	GND	Ground

31	VLED-	Power for LED backlight cathode
32	VLED-	Power for LED backlight cathode
33-38	NC	No connection
39	VLED+	Power for LED backlight anode
40	VLED+	Power for LED backlight anode

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Contour Drawing

PIN NO	SYMBOL	PIN NO	SYMBOL
1	NC	21	RXIN3+
2	VCC	22	GND
3	VCC	23	NC(YU)
4	NC	24	NC(XL)
5	RESET	25	GND
6	STBYB	26	NC(YD)
7	GND	27	NC(XR)
8	RXIN0-	28	NC
9	RXIN0+	29	NC
10	GND	30	GND
11	RXIN1-	31	VLED-
12	RXIN1+	32	VLED-
13	GND	33	NC
14	RXIN2-	34	NC
15	RXIN2+	35	NC
16	GND	36	NC
17	RXCLKIN-	37	NC
18	RXCLKIN+	38	NC
19	GND	39	VLED+
20	RXIN3-	40	VLED+



The non-specified tolerance of dimension is ±0.3 mm .

Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-20	—	+70	°C
Storage Temperature	TST	-30	—	+80	°C

Electrical Characteristics

Operating conditions

Item	Symbol	Min	Typ	Max	Unit
Supply voltage for logic	VCC	3.0	3.3	3.6	V
Supply LCM current	Icc	-	50	75	mA

LED driving conditions

Parameter	Symbol	Min	Typ	Max	Unit
LED current	—	—	120	—	mA
LED voltage	VLED+	15.6	18.0	20.4	V
LED Life Time	—	—	50,000	—	Hr