

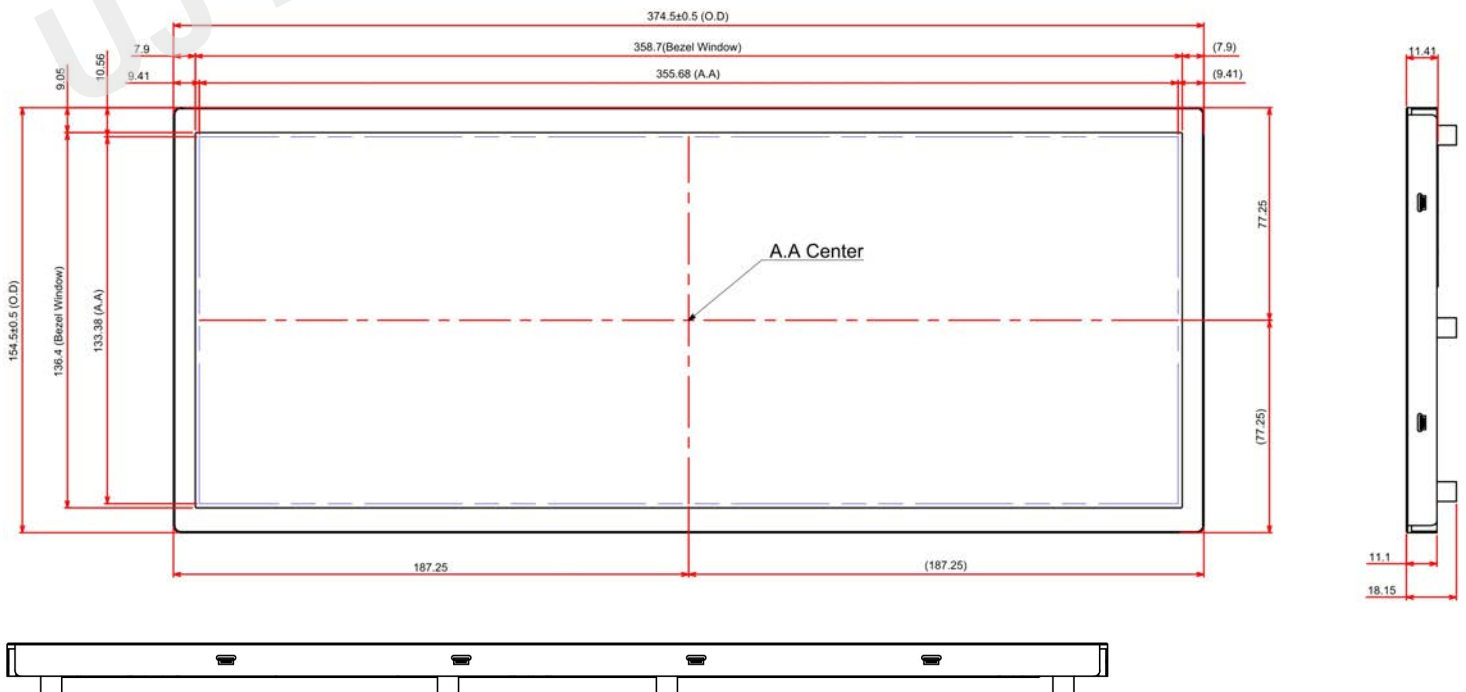
Feature

1. 15.0" TFTLCD Module
2. Resolution:1920*3(RGB)*720
3. Display Type:TFT/Transmissive/Normally Black
4. Interface Type:LVDS
5. Surface Luminance:1000cd/m²
6. Top:-40℃~85℃

Mechanical Data

1. Module(WxHxT)(mm):374.5*154.5*18.15 mm
2. Active Area(mm):355.68*133.38 mm

Dimension



 Interface Pin Function

Pin No.	Symbol	Signal	Pin No.	Symbol	Signal
1	LOOP1	Loop back1 → LOOP2(*2)	31	RX3-	LVDS Data3-
2	V _{CC}	Power Supply (3.3V)	32	GND	Ground
3	V _{CC}	Power Supply (3.3V)	33	RXC+	LVDS Clock+
4	V _{CC}	Power Supply (3.3V)	34	RXC-	LVDS Clock-
5	V _{CC}	Power Supply (3.3V)	35	GND	Ground
6	NC	No connecting	36	RX2+	LVDS Data2+
7	GND	Ground	37	RX2-	LVDS Data2-
8	GND	Ground	38	GND	Ground
9	GND	Ground	39	RX1+	LVDS Data1+
10	GND	Ground	40	RX1-	LVDS Data1-
11	LVMD	Input: : LVDS MAP (Low : JEIDA, High : VESA)	41	GND	Ground
12	SCAN	Input: : Scan direction (Low : Normal, High : Reverse)	42	RX0+	LVDS Data0+
13	FAIL	Output: : Fail detect signal (Normal : High, Fail : Low)	43	RX0-	LVDS Data0-
14	GND	Ground	44	I2C_SCL	I2C (Serial Clock) Internal pull-High
15	Reserved	Keep to V _{CC} level	45	I2C_SDA	I2C (Serial Data) Internal pull-High
16	Reserved	Keep to V _{CC} level	46	LOOP2	Loop back2 → LOOP1(*2)
17	GND	Ground	47	NTC1	Backlight temperature Sensor pin 1 (*4)
18	Reserved	Keep to V _{CC} level	48	NTC2	Backlight temperature Sensor pin 2 (*4)
19	Reserved	Keep to V _{CC} level	49	BL_C6	Backlight cathode 6
20	GND	Ground	50	BL_C5	Backlight cathode 5
21	Reserved	Keep to V _{CC} level	51	BL_C4	Backlight cathode 4
22	Reserved	Keep to V _{CC} level	52	BL_C3	Backlight cathode 3
23	GND	Ground	53	BL_C2	Backlight cathode 2
24	Reserved	Keep to V _{CC} level	54	BL_C1	Backlight cathode 1
25	Reserved	Keep to V _{CC} level	55	NC	No connecting
26	GND	Ground	56	NC	No connecting
27	Reserved	Keep to V _{CC} level	57	NC	No connecting
28	Reserved	Keep to V _{CC} level	58	NC	No connecting
29	GND	Ground	59	BL_A1	Backlight anode1 common (For cathode 1,2,3)
30	RX3+	LVDS Data3+	60	BL_A2	Backlight anode1 common (For cathode 4,5,6)

 Electronic Characteristics**Module**

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Power Supply Voltage	V_{DD}	-	-	3.3	-	V
Differential Input Voltage for LVDS Receiver Threshold	V_I	"H" level	-	-	+50	mV
		"L" level	-50	-	-	
Power Supply Current	I_{DD}	$V_{DD}=3.3V$	-	TBD	-	mA
Frame Frequency	f_{Frame}	-	-	60	62	Hz
CLK Frequency	f_{CLK}	-	85	-	104	MHz

Backlight

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
LED Input Voltage	V_{LED}	-	-	24.2	27.2	V
LED Forward Current	I_{LED}	-	-	(80)	-	mA
LED lifetime	-	$I_{LED}=480\text{ mA}$	-	70K	-	hrs
Thermistor type	-	-	NTC 10K			-