

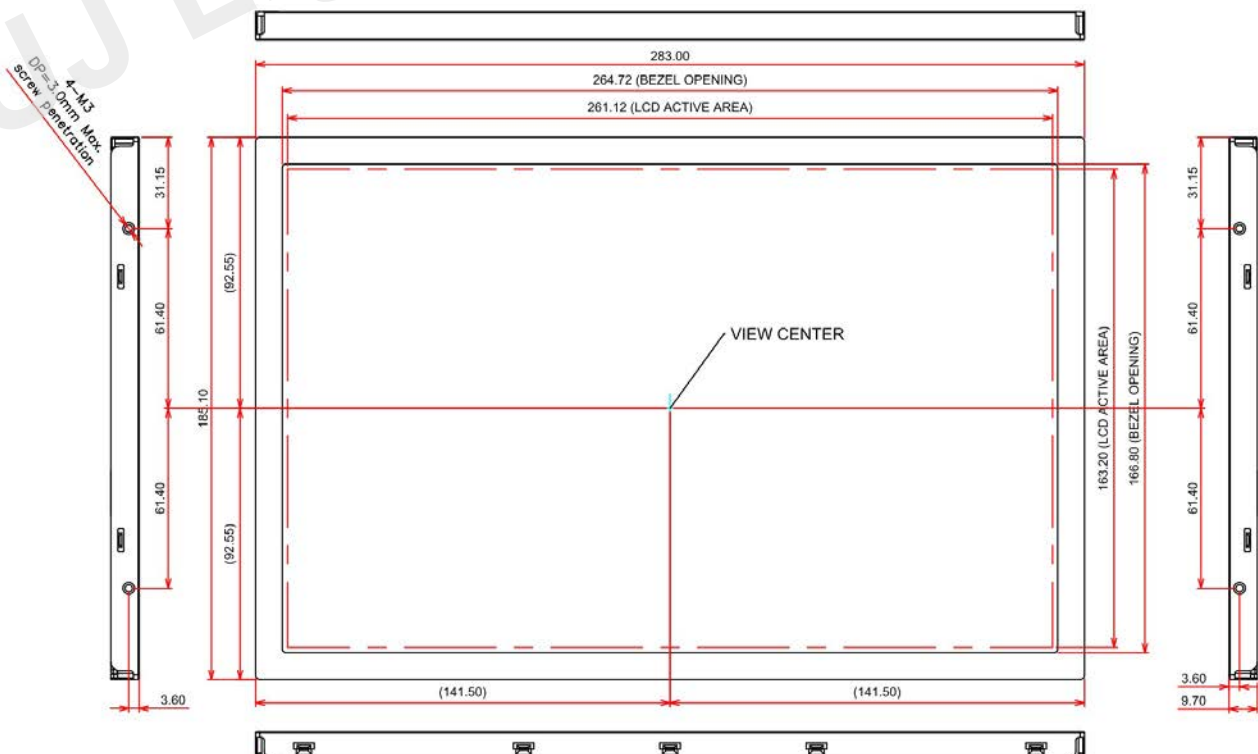
Feature

1. 12.1" TFTLCD Module
2. Resolution:1280*3(GB)*800
3. Display Type:TFT/Transmissive/Normally Black
4. Interface Type:LVDS
5. Surface Luminance:1500cd/m²
6. Top:-40°C ~80 °C

Mechanical Data

1. Module(WxHxT)(mm):283*185.1*9.7 mm
2. Active Area(mm):261.12*163.2 mm
3. LED Driving current: 1000mA

Dimension



Interface Pin Function

Pin No.	Signal	Function (MODE = Low)		Function (MODE = High)
		6 bit input	8 bit input	8 bit input
1	V _{DD}	+3.3V Power Supply for Logic		+3.3V Power Supply for Logic
2	V _{DD}	+3.3V Power Supply for Logic		+3.3V Power Supply for Logic
3	V _{SS}	GND		GND
4	V _{SS}	GND		GND
5	Link 0-	R0~R5, G0	R2~R7, G2	R0~R5, G0
6	Link 0+	R0~R5, G0	R2~R7, G2	R0~R5, G0
7	V _{SS}	GND		GND
8	Link 1-	G1~G5, B0~B1	G3~G7, B2~B3	G1~G5, B0~B1
9	Link 1+	G1~G5, B0~B1	G3~G7, B2~B3	G1~G5, B0~B1
10	V _{SS}	GND		GND
11	Link 2-	B2~B5, DE	B4~B7, DE	B2~B5, DE
12	Link 2+	B2~B5, DE	B4~B7, DE	B2~B5, DE
13	V _{SS}	GND		GND
14	CLK IN-	Pixel Clock -		Pixel Clock -
15	CLK IN+	Pixel Clock +		Pixel Clock +
16	V _{SS}	GND		GND
17	Link 3-	See:*2)	R0~R1, G0~G1, B0~B1	R6~R7, G6~G7, B6~B7
18	Link 3+	See:*2)	R0~R1, G0~G1, B0~B1	R6~R7, G6~G7, B6~B7
19	MODE	Low= 6bit / 8bit		High= 8bit
20	SD	Scan direction control (Low = Normal, High = Reverse=Default)		

Electronic Characteristics

Module

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Power Supply Voltage	V _{DD}	-	3.0	3.3	3.6	V
Differential Input Voltage for LVDS Receiver Threshold	V _I	V _{IH}	-	-	+200	mV
		V _{IL}	-200	-	-	
Power Supply Current	I _{DD}	V _{DD} -V _{SS} =3.3V	-	150	250	mA
Frame Frequency	f_{Frame}	-	55	60	65	Hz
CLK Frequency	f_{CLK}	-	66	67	71	MHz
Logic Input Voltage	High	V _{IH}	0.8xV _{DD}	-	V _{DD}	V
	Low	V _{IL}	0	-	0.2xV _{DD}	V

Backlight

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
LED Input Voltage	V _{LED}	Backlight Unit	10.8	12	13.2	V
LED Forward Current (Dim Control)	I _{LED}	100% duty	-	1000	1400	mA
		0% duty	-	7.0	-	
Backlight Enable	BLEN	High	2.5	-	V _L	V
		Low	0	-	0.4	
LED Lifetime	-	I _{LED} =1000mA	-	100K	-	hrs