

1. General Specifications

No.	Item	Specification	Remark
1	LCD size	10.1 inch (Diagonal)	
2	Driver element	a-Si TFT active matrix	
3	Resolution	1280 × 3(RGB) × 720	
4	Display mode	Normally Black, Transmissive	
5	Dot pitch	0.17475(W) × 0.17475(H) mm	
6	Active area	223.68(W) × 125.82(H) mm	
7	Module size	238.60(W) × 148.00(H) × 6.5(D) mm	Note 1
8	Surface treatment	Anti-Glare	
9	Color arrangement	RGB-stripe	
10	Interface	1-port LVDS (DE mode only)	
11	Backlight power consumption	7.84 (Max.)	
12	Panel power consumption	TBD (Typ.)	
13	Weight	(360) g (Max.)	

Note 1: Refer to Mechanical Drawing.

2. Pin Assignment

PCBa connector is used for the module electronics interface. The recommended model is 20647-040E-01 manufactured by I-PEX.

Pin No.	Symbol	I/O	Pulled Internally (Note3)	Function	Remark
1	NC	-		Keep floating	
2	VDD	Power		External main and I/O power supply ; Power3V3	Note 2
3	VDD	Power		External main and I/O power supply : Power3V3	Note 2
4	NC	-		Keep floating	
5	RESET	Input	H	Global reset pin	Note 2
6	STBYB	Input	H	Standby mode setting pin	Note 2
7	GND	Power		Ground	
8	RXIN0-	Input		LVDS data 0-	
9	RXIN0+	Input		LVDS data 0+	
10	GND	Power		Ground	
11	RXIN01-	Input		LVDS data 1-	
12	RXIN01+	Input		LVDS data 1+	
13	GND	Power		Ground	
14	RXCLKIN-	Input		LVDS clk -	
15	RXCLKIN+	Input		LVDS clk +	
16	GND	Power		Ground	
17	RXIN02-	Input		LVDS data 2-	
18	RXIN02+	Input		LVDS data 2+	
19	GND	Power		Ground	
20	RXIN03-	Input		LVDS data 3-	
21	RXIN03+	Input		LVDS data 3+	
22	GND	Power		Ground	
23	NC	-		Keep floating	
24	NC	-		Keep floating	

25	GND	Power		Ground	
26	NC	-		Keep floating	
27	NC	-		Keep floating	
28	SELB(DINT)	Input	H	Input Input data format selection DINT = 1 : 8-bit (Default) DINT = 0 : 6-bit	
29	NC	-		Keep floating	
30	GND	Power		Ground	
31	LED-	Power		Negative backlight voltage	
32	LED-	Power		Negative backlight voltage	
33	L/R	Input	H	Horizontal shift direction (source output) selection. RL = 1: Left -> Right (Default) RL = 0: Right -> Left	
34	U/D	Input	H	Vertical shift direction (gate output) selection. TB = 1: Top ->Bottom (Default) TB = 0: Bottom ->Top	
35	NC	-		Keep floating	
36	NC	-		Keep floating	
37	NC	-		Keep floating	
38	NC	-		Keep floating	
39	LED+	Power		Positive backlight voltage	
40	LED+	Power		Positive backlight voltage	

Note 2: Please follow "3.2 power sequence"

Note 3: Typical internal pull low / high resistor is 350 kΩ