IEI Technology Corp.

F166
LVDS24-01-R10 V1.01

XC3S200AN

Jumper setting & Connection Rev: 1.01

Appendix

IEI Technology Corp.

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Jumper setting

Table of Jumpers

ITEM	LABEL	FUNCTION
1.1	J_PID1	LVDS Data Format setting
1.2	J_PID2	Input Channel Selection
1.3	J_PID3	Output Channel Selection
1.4	J_PID4	Mend bit setting

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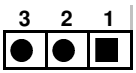
1.1 LVDS Data Format Selection

To choice LVDS data format (you can get the information from LVDS panel spec).

- **J_PID1 : Clear CMOS Setup**

J_PID1	DESCRIPTION
Short 1-2 (default)*	24.1
Short 2-3	24.0

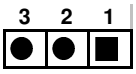


1.2 Input Channel Selection

To choice the input signal,18bits or 36bits.

- **J_PID2 : Input Channel Selection**

J_PID2	DESCRIPTION
Short 1-2 (default)*	36bits(dual channel)
Short 2-3	18bits(single channel)

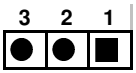


1.3 Output Channel Selection

To choice the output signal,24bits or 48bits.

• J_PID3 : Output Channel Selection

J_PID3	DESCRIPTION
Short 1-2 (default)*	48bits(dual channel)
Short 2-3	24bits(single channel)

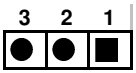


1.4 Mend bit setting

18bit or 36 bit expanded 24bit or 48bit from 0 or 1

• J_PID4 : Output Channel Selection

J_PID4	DESCRIPTION
Short 1-2 (default)*	1bit
Short 2-3	0bit



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Connection

This chapter describes how to connect peripherals, switches and indicators to the LVDS24-01-R10 V1.01 board.

Table of Connectors

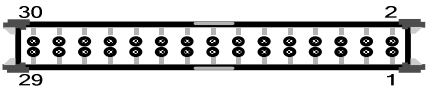
ITEM	LABEL	FUNCTION
2.1	LVDS1_IN	LVDS Panel Connector
2.2	LVDS2_OUT	LVDS Panel Connector
2.3	CN1	Power Connector

2.1 LCD Panel LVDS Interface Connector (LVDS1_IN)

The product equipped with LVDS interface connector to provide high resolution color display.

- **LVDS1_IN: LVDS Connector**

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	GND1	2	GND2
3	A_Y0	4	A_Y0#
5	A_Y1	6	A_Y1#
7	A_Y2	8	A_Y2#
9	A_CK	10	A_CK#
11	A_Y3	12	A_Y3#
13	GND3	14	GND4
15	B_Y0	16	B_Y0#
17	B_Y1	18	B_Y1#
19	B_Y2	20	B_Y2#
21	B_CK	22	B_CK#
23	B_Y3	24	B_Y3#
25	GND5	26	GND6
27	VCC_LCD	28	VCC_LCD
29	VCC_LCD	30	VCC_LCD

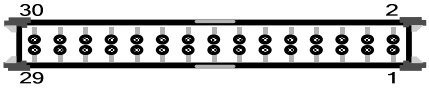


2.2 LCD Panel LVDS Interface Connector (LVDS2_OUT)

The product equipped with LVDS interface connector to provide high resolution color display.

- **LVDS2_OUT: LVDS Connector**

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	GND1	2	GND2
3	A_Y0	4	A_Y0#
5	A_Y1	6	A_Y1#
7	A_Y2	8	A_Y2#
9	A_CK	10	A_CK#
11	A_Y3	12	A_Y3#
13	GND3	14	GND4
15	B_Y0	16	B_Y0#
17	B_Y1	18	B_Y1#
19	B_Y2	20	B_Y2#
21	B_CK	22	B_CK#
23	B_Y3	24	B_Y3#
25	GND5	26	GND6
27	VCC_LCD	28	VCC_LCD
29	VCC_LCD	30	VCC_LCD



2.3 Power Source Connector

The product supports the ATX power. It provide +5V Power.

•CN1 :POWER Connector

CN1 & CN2			
PIN NO.	**DESCRIPTION**	**PIN NO.**	**DESCRIPTION**
1	NC	2	GND
3	+5V