

## I. Checklist

✓ AX93221 Board x 1

**Note:** Please contact your local vendors if any damaged or missing items. DO NOT apply power to the board if any damaged components.

## II. Jumper Settings

Before applying the connection to the board, please make sure all jumper settings are defaulted as the table as below:

Jumper	Default Setting	Jumper Setting
JP1	3.3V select : From motherboard	Short 2-3
JP3	Pixel Select : one pixel	Short 2-3

### ➤ 3.3V Select Jumper : JP1

Options	Settings
From power supply	Short 1-2
From motherboard	Short 2-3(default)



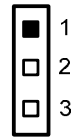
### ➤ Pixel Select Jumper: JP3

There is one pixel (up to 24-bits) per clock mode using DIE[23:0] in LOW level. There are two pixels (up to 48-bits) per clock mode in HIGH level (3.3V), the first one using DIE[23:0], and the other using DIO[23:0].

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Options	Settings
Two pixels (up to 48-bits)	Short 1-2
One pixel (up to 24-bits)	Short 2-3(default)

JP3



### III. Connectors

Connectors	Label
DVI-D Connector	CN1
LVDS Connector	CN3

#### ➤ DVI-D Connector: CN1

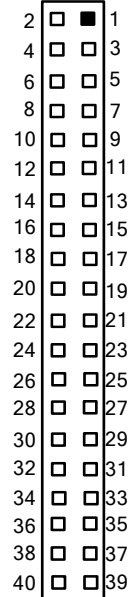
Pin	Signal	Pin	Signal
1	TX2-	2	TX2+
3	Ground	4	NC
5	NC	6	NC
7	NC	8	NC
9	TX1-	10	TX1+
11	Ground	12	NC
13	NC	14	VGAVCC
15	Ground	16	NC
17	TX0-	18	TX0+
19	Ground	20	NC
21	NC	22	Ground
23	TXC+	24	TXC-

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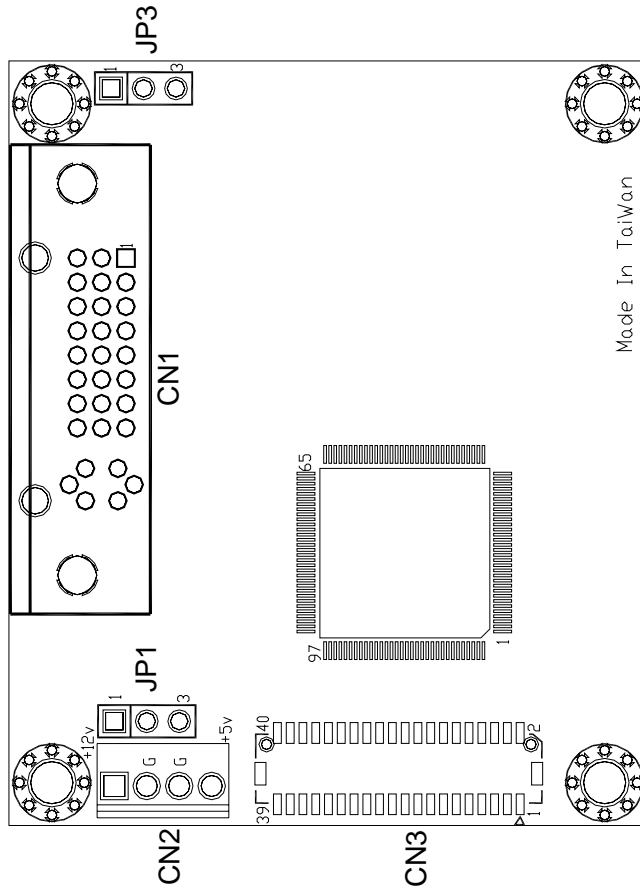
### ➤ LVDS Connector: CN3

Pin	Signal	Pin	Signal
1	VCCM (3.3V)	2	VCCM (3.3V)
3	VCCM (3.3V)	4	VCCM (3.3V)
5	VCCM (3.3V)	6	VCCM (3.3V)
7	N.C.	8	N.C.
9	GND	10	GND
11	Channel B D3-	12	Channel B D0-
13	Channel B D3+	14	Channel B D0+
15	GND	16	GND
17	Channel B CLK-	18	Channel B D1-
19	Channel B CLK+	20	Channel B D1+
21	GND	22	GND
23	Channel A D0-	24	Channel B D2-
25	Channel A D0+	26	Channel B D2+
27	GND	28	GND
29	Channel A D1-	30	Channel A D3-
31	Channel A D1+	32	Channel A D3+
33	GND	34	GND
35	Channel A D2-	36	Channel A CLK-
37	Channel A D2+	38	Channel A CLK+
39	GND	40	GND

CN3



**IV. Board Layout**



V. Board Dimensions

