



Oct. 13, 2010

LVDS24-01

18-bit LVDS to 24-bit LVDS Converter board

Quick Installation Guide Ver. 1.0

Feature:

- Support 24 bit dual-channel display
- Resolution support up to 1280x1024
- 18-bit single-channel LVDS to 24-bit dual-channel LVDS converter board

Packing Content:

- 1 x LVDS24-01 converter board
- 1 x Power cable
- 1 x QIG (Quick Installation Guide)

Ordering Information:

LVDS24-01-R10:

18-bit LVDS to 24-bit LVDS Converter board

32602-007900-100-RS:

Single-channel 18-bits 20pin to 24bits LVDS 30pin connection cable

32602-008000-100-RS:

Dual-channel 18-bits 30pin to 24bits 30pin LVDS connection cable

32600-004900-RS:

30pin LVDS connection cable for evaluation

Connectors and Jumper Setting:

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

1.1 LVDS Data Format Selection

J_PID1 : LVDS Data Format setting	
J_PID1	DESCRIPTION
Short 1-2 (default)*	24.1
Short 2-3	24.0

1.2 Input channel selection

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

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

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

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

LVDS1_IN: LVDS Connector			
PIN	DESCRIPTION	PIN	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

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

CN1: :POWER Connector			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	NC	2	GND
3	+5V		

Dimensions:

