ADP-L2T

User's Manual

Edition 1.0

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Any questions please visit our website at http://www.commell.com.tw.

Packing List:

Hardware:

ADP-L2T adapter x1

Cable Kit:

Cable x 1

Product Specification

General Specification	
Panel	For 18-bit TTL LCD Panel
Dimensions (W x D)	31.50mm x 19.45mm
Temperature	Operating within 0~60 centigrade
Ordering Code	
ADP-L2T	LVDS to TTL adapter for 18bit LCD with Hirose DF13-40DP-1.25

Component Placement
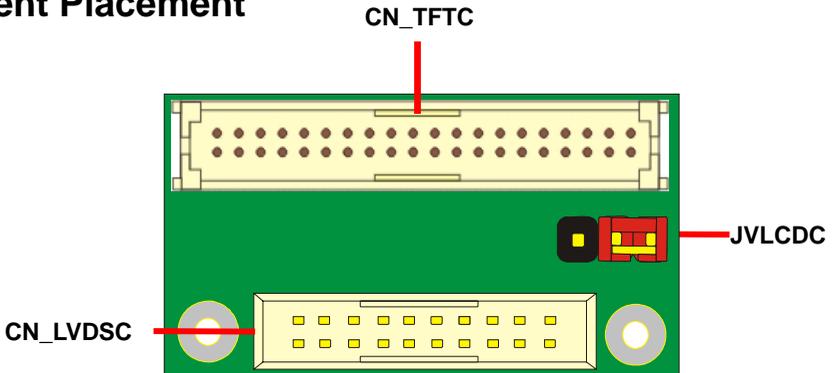
Mechanical Drawing
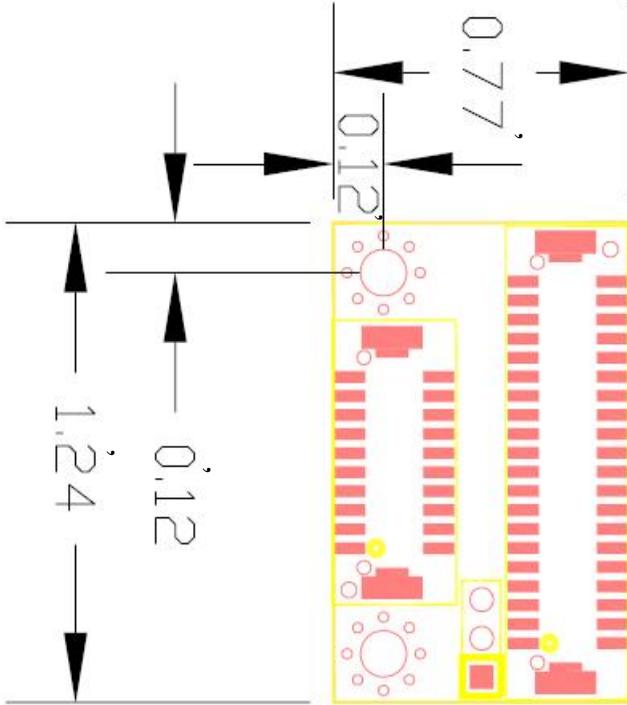
Connector Reference

Connector: JVLCDC

Type: 3-pin Power select Header

Pin	Description
1-2	VCC3 **(3.3V)**
2-3	VCC **(5V)**
Default: 1-2	
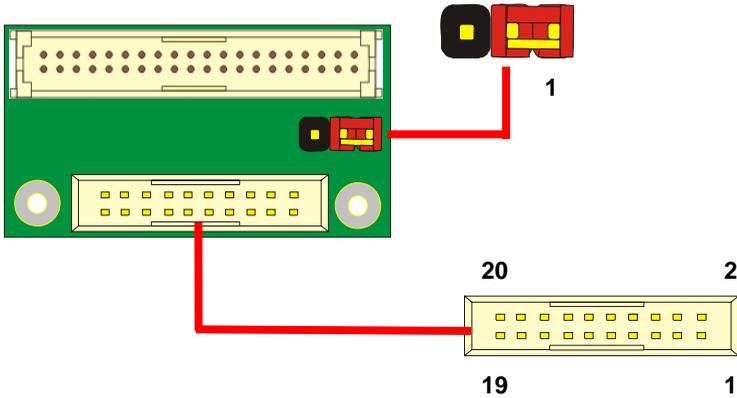
Connector: CN_LVDSC

Type: onboard 20-pin connector for LVDS connector
Connector model: **HIROSE DF13-20S**

Pin	Signal	Pin	Signal
1	LCDVCC	2	LCDVCC
3	GND	4	GND
5	TX0-	6	TX0-
7	GND	8	TX1-
9	TX1+	10	GND
11	TX2-	12	TX2+
13	GND	14	TXC-
15	TXC+	16	GND
17	N/C	18	N/C
19	GND	20	GND

Connector: CN_TFTC
Type: onboard 40-pin connector for LVDS connector
Connector model: **HIROSE DF13-40S**

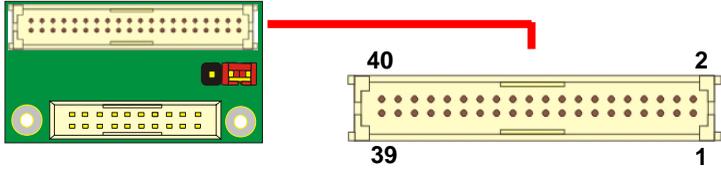| Pin	Signal	Pin	Signal
1	N/C	2	N/C
3	GND	4	GND
5	TVCC	6	TVCC
7	GND	8	GND
9	N/C	10	N/C
11	PD2 (B0)	12	PD3 (B1)
13	PD4 (B2)	14	PD5 (B3)
15	PD6 (B4)	16	PD7 (B5)
17	N/C	18	N/C
19	PD10 (G0)	20	PD11 (G1)
21	PD12 (G2)	22	PD13 (G3)
23	PD14 (G4)	24	PD15 (G5)
25	N/C	26	N/C
27	PD18 (R0)	28	PD19 (R1)
29	PD20 (R2)	30	PD21 (R3)
31	PD22 (R4)	32	PD23 (R5)
33	N/C	34	N/C
35	DCLK	36	V sync
37	DE (RM)	38	H sync
39	GND	40	GND

To setup the LCD, you need the component below:
1. A panel with LVDS interfaces.
2. An inverter for panel's backlight power.
3. A LCD cable and an inverter cable.

For the cables, please follow the pin assignment of the connector to make a cable, because

every panel has its own pin assignment, so we do not provide a standard cable; please find

a local cable manufacture to make cables.
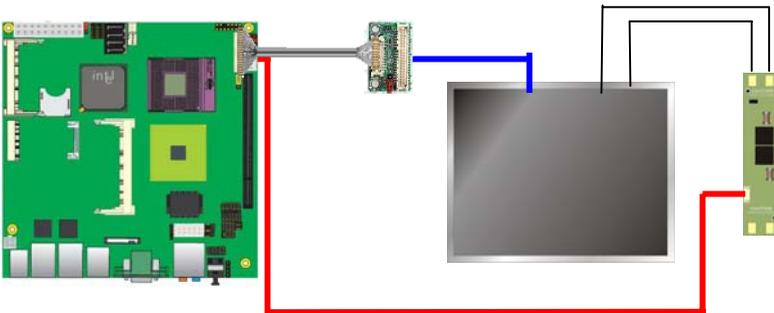
LCD Installation Guide:

1. Preparing the motherboard (**LV-67B**), **LCD panel** and the **backlight inverter**.
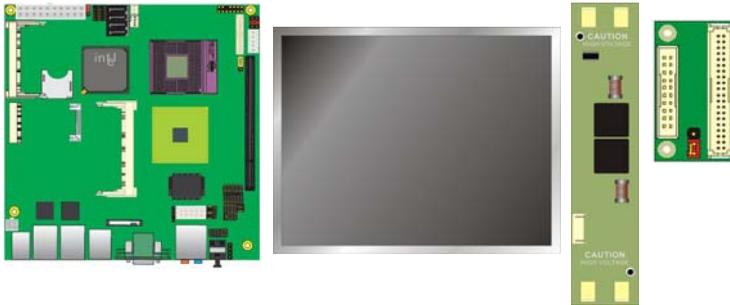
2. Please set the jumper **JVLCD** to +5V
3. You would need a LVDS type cable.

Panel side   **Board side**

For sample illustrator only

4. To connect all of the devices well.

Contact Information

Any advice or comment about our products and service, or anything we can help you please don't hesitate to contact with us. We will do our best to support you for your products, projects and business.

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