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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





**LVDS Add On Board P/N 4162135-11**

The LVDS add-on board P/N 4162135-11 design for dual pixel LVDS panels. It provides jumper setting to select the Data Enable (DE) signal on transmitter chips.



**Jumper Settings :**

JP1- Clock phase selection (Default 2-3 closed)  
Change this setting to obtain best quality.

JP2 - Panel voltage selection  
1-3, 2-4 closed : 12V panel  
3-5, 4-6 closed : 3.3 / 5V panel (Default)

JP3 – Enable DE signal on signal or dual LVDS transmitter chip at even pixel side  
1-2 closed : Enable DE signal on both LVDS transmitter chips (U1 & U2) (Default - Use for all panels)  
2-3 closed : Enable DE signal on single LVDS transmitter chip (U1)  
(Use for all panel except : NEC NL128102AC28-04 and NEC NL128102AC31-02A)

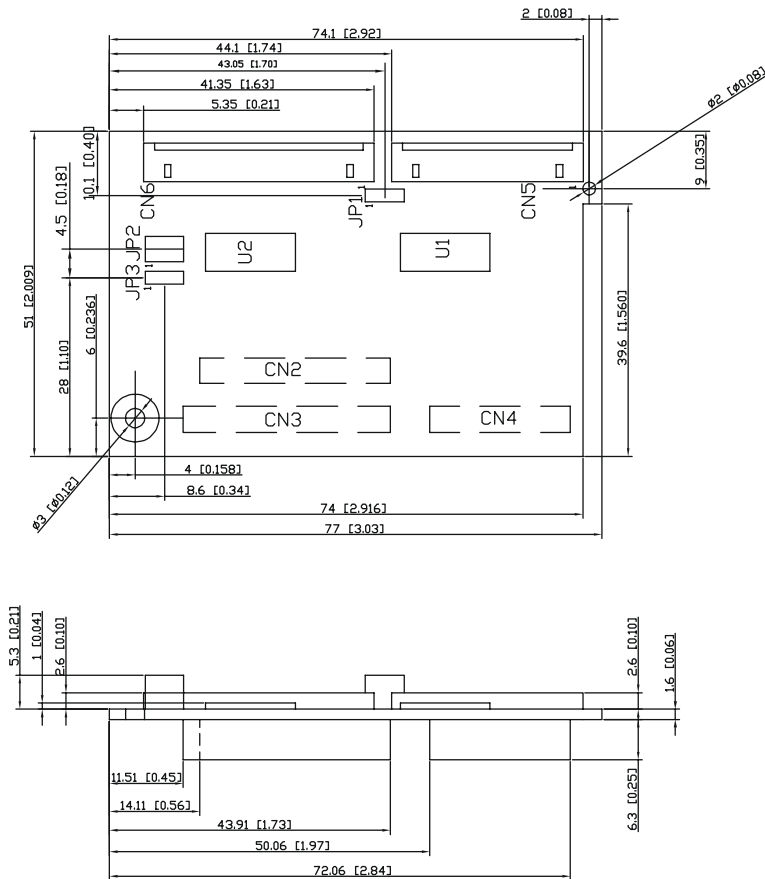
**Compatible with LVDS board :**

Old LVDS board	Jumper setting on LVDS board P/N 4162135-11
P/N 4162135-10	JP1 : 2-3 closed ; JP2 : 1-3, 2-4 closed ; JP3 : 1-2 closed
P/N 4162147-00	JP1 : 2-3 closed ; JP2 : 3-5, 4-6 closed ; JP3 : 1-2 closed

**Use of connectors :**

Connector	Connector type
CN2	Hirose DF11-28DS-2DSA
CN3	Hirose DF11-32DS-2DSA
CN4	Hirose DF11-20DF-2DSA
CN5	Hirose DF14-20P-1.25P
CN6	Hirose DF14-25P-1.25P

## Mechanical Drawing :



All dimensions are in MM [Inch]

## Pin Assignments :

**CN5 - Hirose DF14-20P-1.25P**

PIN	SYMBOL	DESCRIPTION
1	NC	No connection
2	GND	Ground
3	OUTO3	Positive differential LVDS data O3
4	/OUTO3	Negative differential LVDS data O3
5	GND	Ground
6	CLKOUTO	Positive LVDS clock O
7	/CLKOUTO	Negative LVDS clock O
8	GND	Ground
9	OUTO2	Positive differential LVDS data O2
10	/OUTO2	Negative differential LVDS data O2
11	GND	Ground
12	OUTO1	Positive differential LVDS data O1
13	/OUTO1	Negative differential LVDS data O1
14	GND	Ground
15	OUTO0	Positive differential LVDS data O0
16	/OUTO0	Negative differential LVDS data O0
17	GND	Ground
18	GND	Ground
19	VLCD	Panel power supply
20	VLCD	Panel power supply

**CN6 DF14-25P-1.25P**

PIN	SYMBOL	DESCRIPTION
1	VLCD	Panel power supply
2	VLCD	Panel power supply
3	VLCD	Panel power supply
4	GND	Ground
5	GND	Ground
6	GND	Ground
7	GND	Ground
8	OUTE3	Positive differential LVDS data E3
9	/OUTE3	Negative differential LVDS data E3
10	GND	Ground
11	CLKOUTE	Positive LVDS clock E
12	/CLKOUTE	Negative LVDS clock E
13	GND	Ground
14	OUTE2	Positive differential LVDS data E2
15	/OUTE2	Negative differential LVDS data E2
16	GND	Ground
17	/OUTE1	Negative differential LVDS data E1
18	OUTE1	Positive differential LVDS data E1
19	GND	Ground
20	OUTE0	Positive differential LVDS data E0
21	/OUTE0	Negative differential LVDS data E0
22	GND	Ground
23	GND	Ground
24	NC	No connection
25	NC	No connection