

LVDS TO TTL

Approval

Rev. 0




Issue Date.

2013. 01. 10

Doc No.

LVDS TO TTL BOARD 01

Note | Specification is subject to change without notice.
Consequently it is better to contact to our company before proceeding with the design of your product incorporating this board

Prepared	Checked I	CheckedII	Approved
			
			YH. HAN

LVDS TO TTL

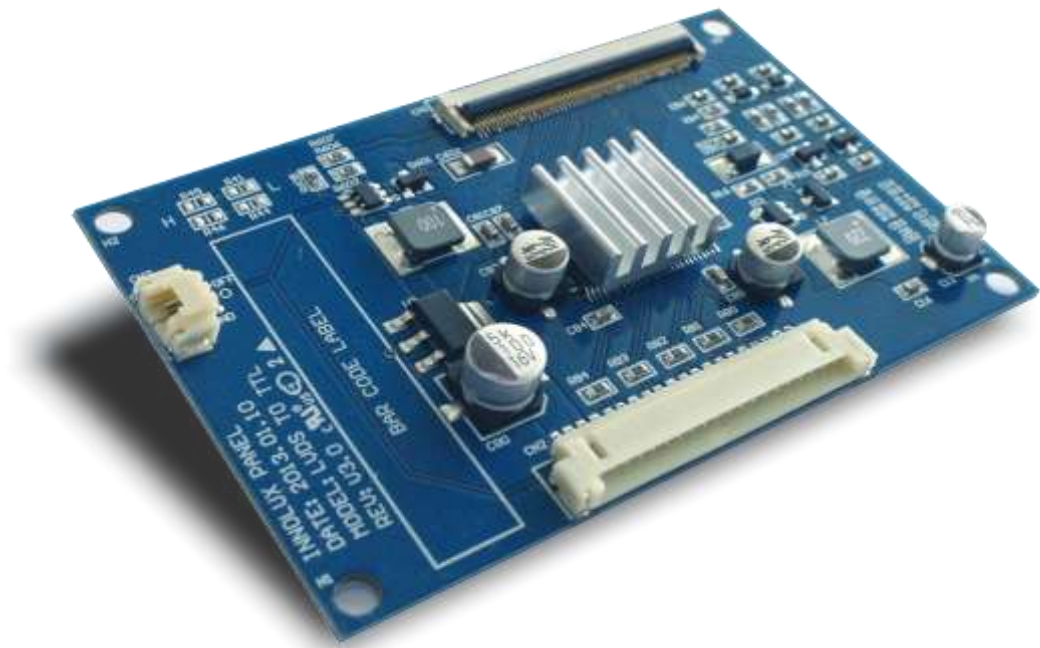
Revision History

Rev.	ECN No.	Description of Changes	Date	Prepared
V0		Preliminary Release	2013.01.10	

LVDS TO TTL

1. General Specification

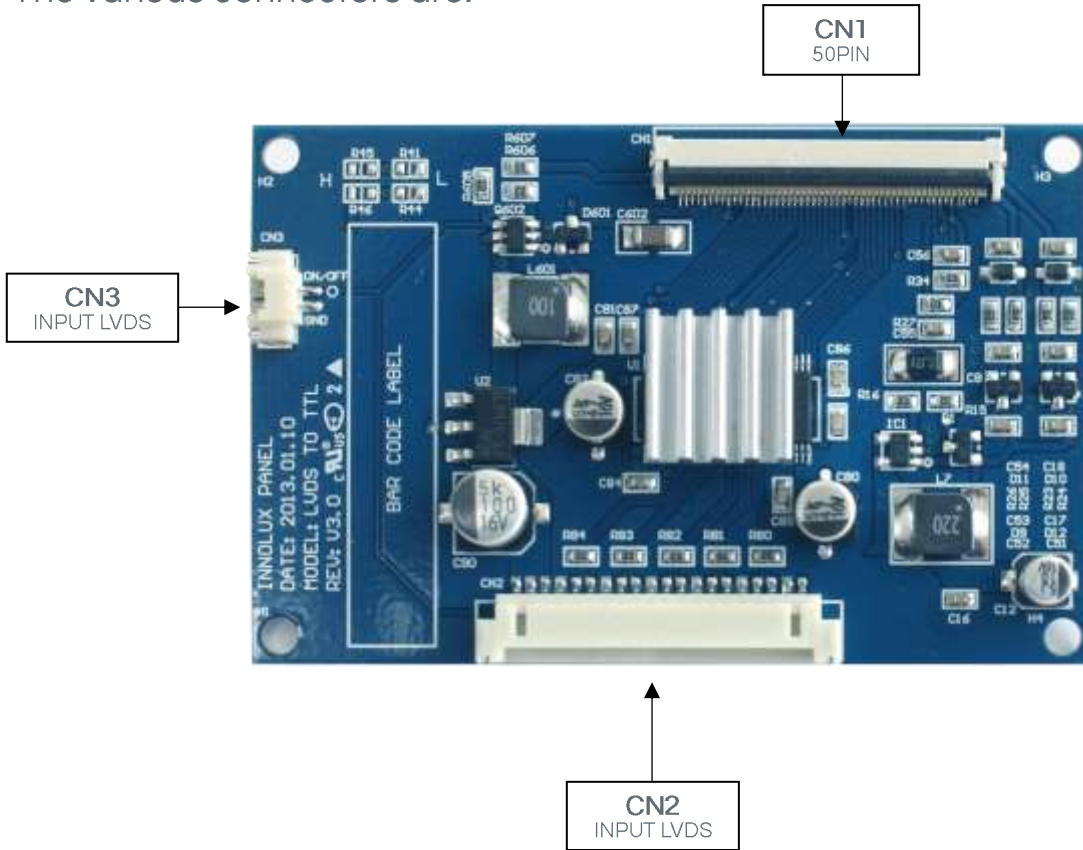
No.	Item	Description	
1	Model Name	LVDS TO TTL	
2	Board Size	W x H x D(mm)	70 x 45 x 7



LVDS TO TTL

2. CONNECTOR, PINOUT & JUMPERS

The various connectors are:



Summary:

Reference	Item	Description	Type	Manufacture
CN1	Connector	TTL OUTPUT	FPC 50P	
CN2	Connector	INPUT LVDS	12507WR-20P	
CN3	Connector	INPUT LVDS	12505WR-2P	

LVDS TO TTL

CN1: TTL OUTPUT

Pin No.	Symbol	Description
1	LED+	LED Anode
2	LED+	LED Anode
3	LED-	LED Cathode
4	LED-	LED Cathode
5	GND	Ground
6	VCOM	Common voltage
7	VCC	Power for Digital circuit
8	MODE	VCC[HIGH] : DE mode
9	DE	Data Input Enable
10	NC	-
11	NC	-
12	B7	Blue Data
13	B6	Blue Data
14	B5	Blue Data
15	B4	Blue Data
16	B3	Blue Data
17	B2	Blue Data
18	B1	Blue Data
19	B0	Blue Data
20	G7	Green Data
21	G6	Green Data
22	G5	Green Data
23	G4	Green Data
24	G3	Green Data
25	G2	Green Data
26	G1	Green Data
27	G0	Green Data
28	R7	RED Data
29	R6	RED Data
30	R5	RED Data
31	R4	RED Data
32	R3	RED Data
33	R2	RED Data
34	R1	RED Data
35	R0	RED Data
36	GND	Ground
37	DCLK	Sample Clock
38	GND	Ground
39	L / R	RIGHT / LEFT SELECTION * R45 HIGH, R41 LOW
40	U / D	UP / DOWN SELECTION *R46 HIGH, R44 LOW
41	VGH	Gate ON Voltage
42	VGL	Gate OFF Voltage
43	AVDD	Power for Analog circuit
44	RESET	VCC[HIGH]
45	NC	-
46	VCOM	Common voltage
47	DITHB	Ground [LOW]
48	GND	Ground
49	NC	-
50	NC	-

LVDS TO TTL

CN2: INPUT LVDS

Pin No.	Symbol	Description
1	5V	Input Power
2	5V	Input Power
3	5V	Input Power
4	GND	Ground
5	RXIN0-	LVDS DATA 0-
6	RXIN0+	LVDS DATA 0+
7	GND	Ground
8	RXIN1-	LVDS DATA 1-
9	RXIN1+	LVDS DATA 1+
10	GND	Ground
11	RXIN2-	LVDS DATA 2-
12	RXIN2+	LVDS DATA 2+
13	GND	Ground
14	RXINCK-	LVDS DATA CLK-
15	RXINCK+	LVDS DATA CLK+
16	GND	Ground
17	RXIN3-	LVDS DATA 3-
18	RXIN3+	LVDS DATA 3+
19	GND	Ground
20	LED ON/OFF	DC LED ON : 3.3V / LED OFF : 0V

CN3: INPUT LVDS

Pin No.	Symbol	Description
1	LED ON/OFF	DC LED ON : 3.3V / LED OFF : 0V
2	GND	Ground

LVDS TO TTL

3. CONTROLLER DIMENSIONS

