

Manufacturer Certificated



CERT. No.: 282Q19070712006

CERT. No.: 282E19070712007

Product Specification

Model: **TBJ043LV-01**

LVDS Display Board

This module uses ROHS material



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1.Record of Revision

Version	Revise Date	Content	Remark
V1.0	2011/07/01	-	-

2. General Specifications

Feature		Spec
Characteristics	Size	-
	LCM Resolution supported	800X480 / 480X272
	Interface	LVDS
	Connect type	Connector
	PCBA size	50.0*50.0mm
	LCM connector	40 PIN/0.5S
	LVDS connector	20PIN/DF19-1.0S

3. Electrical Characteristics

Item	Symbol	MIN	Typ	MAX	Unit
Supply Voltage	VDD	-	5.0	-	V
Direct Current	Id	-	200	-	mA
Operating Temperature	TOPR	-20	-	70	°C
Storage Temperature	TSTG	-30	-	80	°C

4. PIN-MAP

4.1 PIN-MAP-LVDS(CON3)

Pin No.	Symbol	Function
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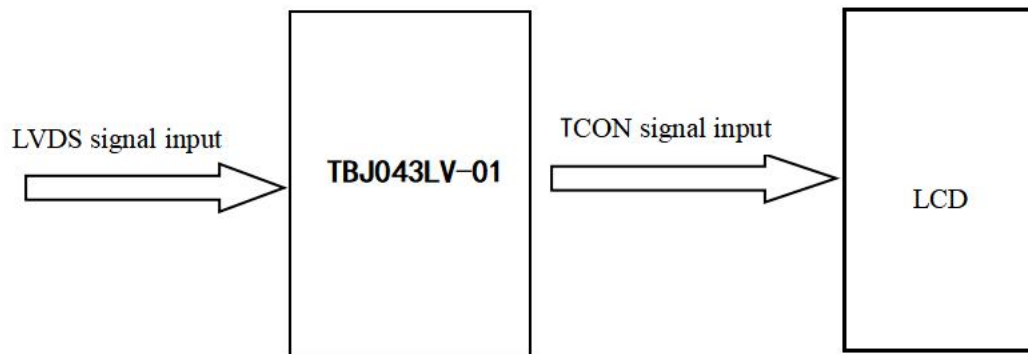
1	ON/OFF	Backlight on/off
2	NC	NC
3	NC	NC
4	NC	NC
5	VCC	Power supply (+5.0V)
6	VCC	Power supply (+5.0V)
7	VCC	Power supply (+5.0V)
8	GND	GND
9	RXCLK+	DCLK+
10	RXCLK-	DCLK—
11	RXIN2+	Channel 2+
12	RXIN2-	Channel 2-
13	RXIN1+	Channel 1+
14	RXIN1-	Channel 1-
15	RXIN0+	Channel 0+
16	RXIN0-	Channel 0—
17	NC	NC
18	NC	NC
19	GND	GND
20	GND	GND

4.2 PIN-MAP-LCM(CON2)

Pin No.	Symbol	Function
1	VLED-	Power for LED backlight cathode
2	VLED+	Power for LED backlight anode
3	GND	Power ground

4	VDD	Power voltage
5	R0	Red data (LSB)
6	R1	Red data
7	R2	Red data
8	R3	Red data
9	R4	Red data
10	R5	Red data
11	R6	Red data
12	R7	Red data (MSB)
13	G0	Green data (LSB)
14	G1	Green data
15	G2	Green data
16	G3	Green data
17	G4	Green data
18	G5	Green data
19	G6	Green data
20	G7	Green data (MSB)
21	B0	Blue data (LSB)
22	B1	Blue data
23	B2	Blue data
24	B3	Blue data
25	B4	Blue data
26	B5	Blue data
27	B6	Blue data
28	B7	Blue data (MSB)
29	GND	Power ground
30	CLK	Pixel clock
31	DISP	Display on/off
32	NC	No connection
33	NC	No connection
34	DE	Data Enable
35	NC	No Connector
36	GND	Power ground
37-40	NC	No Connector

5. Block Diagram



6. Mechanical Drawing

