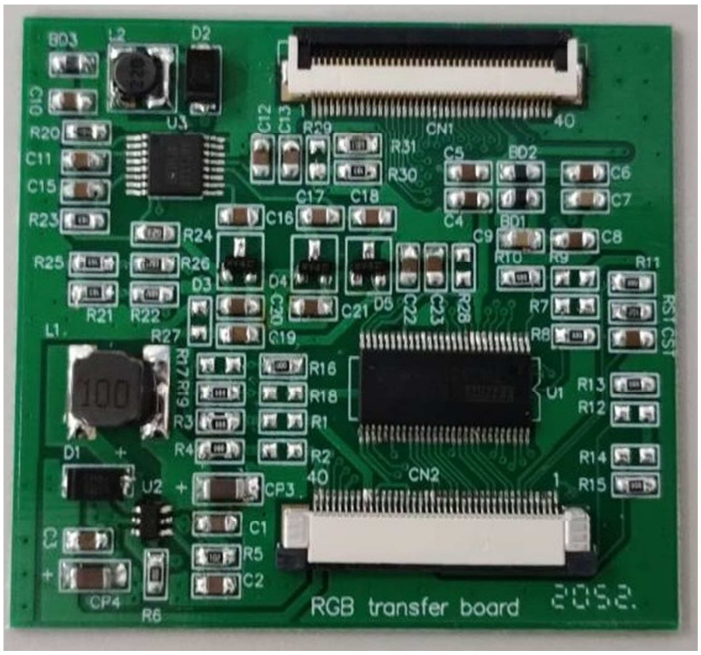
BT5450ASA1$

Feature

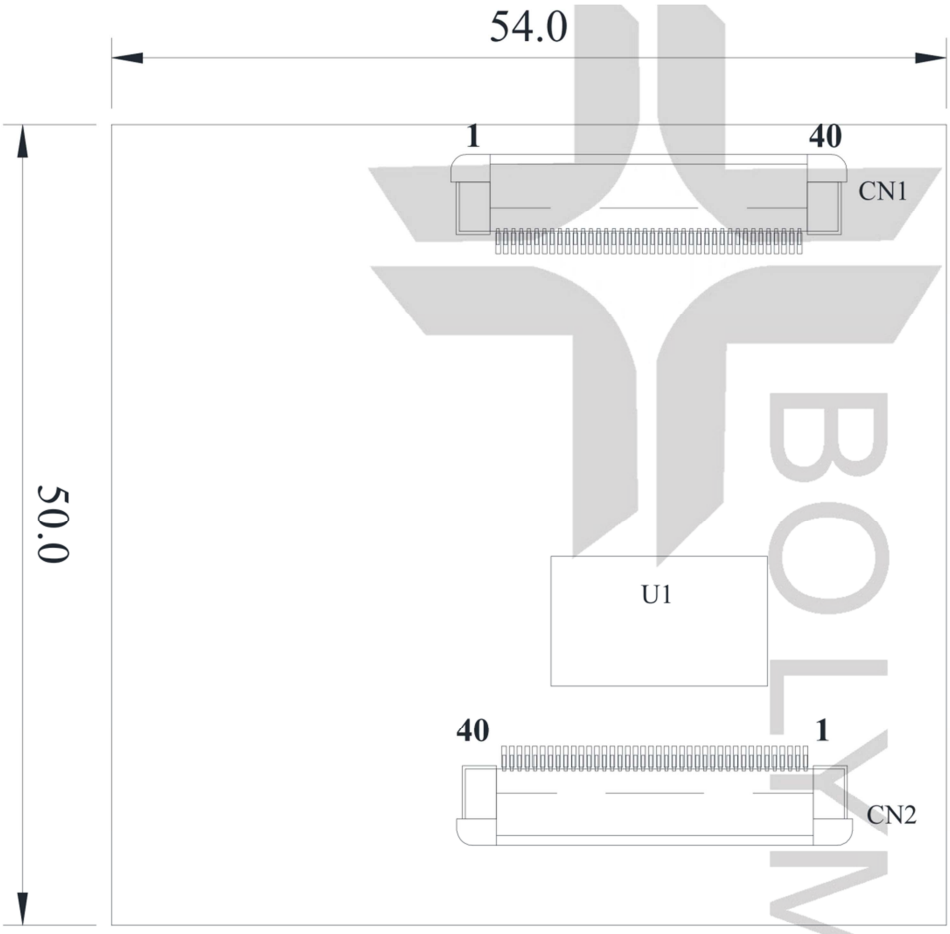


1. RGB to LVDS Interface board.
2. Compatible with TIA/EIA-644 LVDS Standard
3. Pixel Clock Range: 8 to 160MHz
4. Operating temperature :-20 to 70 ℃
5. LVDS swing is reducible as 200mVbyRS-pin to reduce EMI
   and power consumption.
6. Option: Backlight driving up to 200mA.

General Spec.

Module Dimension	54.0 x 50.0 mm
Driver IC	THC63LVDM83D
Input interface	RGB 24 BITS
Output interface	LVDS

Dimension



Pin assignment (Input)

Pin No.	Symbol	Function
1	LED-	LED Cathode
2	LED+	LED Anode.
3	GND	Ground.
4	VDD	Power supply input.
5~12	R0~R7	8-bit digital RED data input.
13~20	G0~G7	8-bit digital Green data input.
21~28	B0~B7	8-bit digital BLUE data input.
29	GND	Ground.
30	CLK	Clock signal .
31	DISP	Output High.
32	HYSNC	Horizontal sync signal.
33	VSYNC	Vertical sync signal.
34	DEN	Data input enable.
35	NC	No connection.
36	GND	Ground.
37~40	NC	No connection.

Note 1: This board also could provide TFT panel backlight driving current by provide LED+ =5V & LED-=GND.Please contact Bolymin's sales for this function.

Pin assignment (Output)

Pin No.	Symbol	Function
1	VCOM	Power for VCOM (2.7~3.3V)
2,3	VDD	Power supply output.
4	NC	No connection.
5	/RST	Global reset pin, pulled high.
6	STBYB	Standby mode, pulled high.
7	GND	Ground.
8	RX0-	-LVDS differential data output.
9	RX0+	+LVDS differential data output.
10	GND	Ground.
11	RX1-	-LVDS differential data output.
12	RX1+	+LVDS differential data output.
13	GND	Ground.
14	RX2-	-LVDS differential data output.
15	RX2+	+LVDS differential data output.
16	GND	Ground.
17	RXCLK-	-LVDS differential clock output.
18	RXCLK+	+LVDS differential clock output.
19	GND	Ground.
20	RX3-	-LVDS differential data output.
21	RX3+	+LVDS differential data output.
22	GND	Ground.
23,24	NC	No connection.
25	GND	Ground.
26	NC	No connection.
27	DIM	Backlight dimming control.
28	NC	No connection.
29	AVDD	Power for analog circuit.
30	GND	Ground.
31,32	LED-	LED Cathode
33~34	NC	No connection.
35	VGL	Power for Gate off voltage.
36	CAB1	Output High.
37	CAB0	Output Low.
38	VGH	Power for Gate on voltage.
39,40	LED+	LED Anode.