

SPECIFICATION

SFTC-LVDS

Customer Approved

Customer _____

Date _____

By _____

Sailing's Confirmation

Approved By _____

Prepared By _____

Date: 2005.1.10

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General description:

The data sheet applied to some color TFT LCD, such as PM070WX1, PM090WX1/2, PM102WX1/2 etc. It could generate all kinds of timing control signal to the LCD source and gate drivers.

Note:

1.) Normally TFT LCD display format more than 800*(R.G.B)*600;(such as 800*(R.G.B)*600 or 1024*(R.G.B)*768), to decrease EMI and extend the cable's distance ,then use LVDS input.

Features:

- ★ Support LVDS input
- ★ Single power supply: 3.3V DC

Brief diagram: Refer to appendix.

Port definition:

- 1) CN13——LVDS signal input port
- 2) CN15——Output port for TFT LCD

Pin assignment:

CN13: LVDS signal input

Connector type: MOLEX 55177-1491 or compatibility

Pin NO.	Description	Pin NO.	Description
1	3.3V Power input	8	DA1+
2	3.3V Power input	9	DA2-
3	Power ground	10	DA2+
4	Power ground	11	CLK-
5	DA0-	12	CLK+
6	DA0+	13	Ground
7	DA1-	14	Ground

CN12: TTL output Connector (Reserve)

Connector type: ELCO 6210-50pin or compatibility

1	DIO1	14	G1	27	POL	40	U/D
2	GND	15	G2	28	DIO2	41	CKV
3	VDD1	16	G3	29	GND	42	STVU
4	CLK	17	G4	30	V3	43	STVD
5	R/L	18	G5	31	V5	44	VGG
6	R0	19	B0	32	V7	45	GND
7	R1	20	B1	33	V8	46	VCC
8	R2	21	B2	34	V10	47	VEE
9	R3	22	B3	35	V12	48	VLED
10	R4	23	B4	36	GND	49	GLED2
11	R5	24	B5	37	VDD2	50	GLED1
12	GND	25	LD	38	VCOM		
13	G0	26	REV	39	OE		

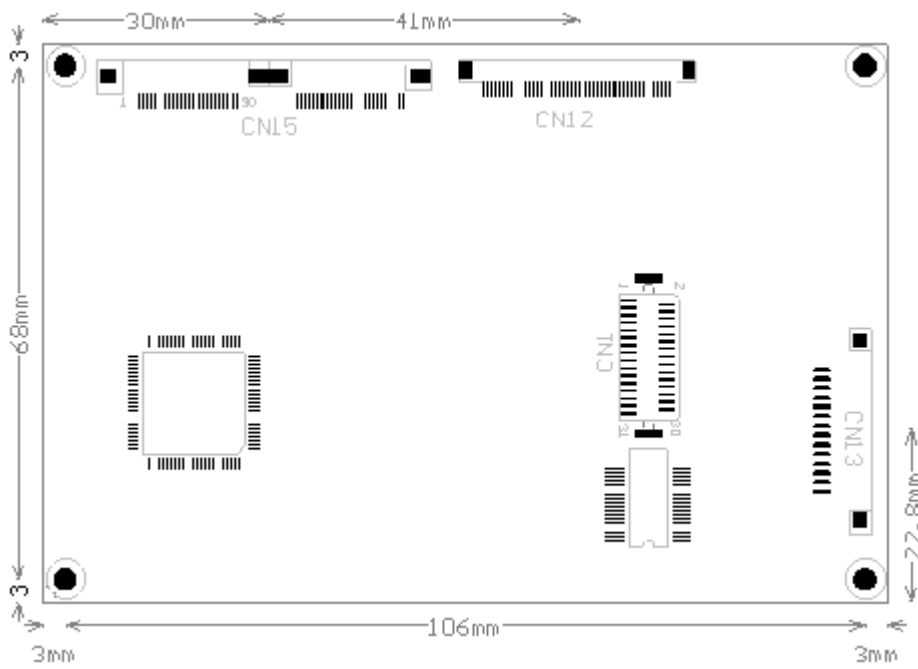
CN15: TTL output Connector

Connector type: ELCO 6210-30pin or compatibility

Two pieces 30pin 0.5 mm pinch FPC connector

CN15-1				CN15-2			
1	DIO1	16	G2	1	GND	16	V14
2	GND	17	G3	2	V1	17	GND
3	VDD1	18	G4	3	V2	18	VDD2
4	CLK	19	G5	4	V3	19	VCOM
5	GND	20	GND	5	V4	20	XON
6	R/L	21	B0	6	V5	21	OE
7	R0	22	B1	7	V6	22	U/D
8	R1	23	B2	8	V7	23	CKV
9	R2	24	B3	9	GND	24	STVU
10	R3	25	B4	10	V8	25	STVD
11	R4	26	B5	11	V9	26	VGG
12	R5	27	LD	12	V10	27	GND
13	GND	28	REV	13	V11	28	VCC
14	G0	29	POL	14	V12	29	GND
15	G1	30	DIO2	15	V13	30	VEE

Outline:



Outline: 112.0*74.0*10mm
Top Layer High (Max): 8.0 mm
Board Thickness: 1.6mm
Screw: D2.5mm*4