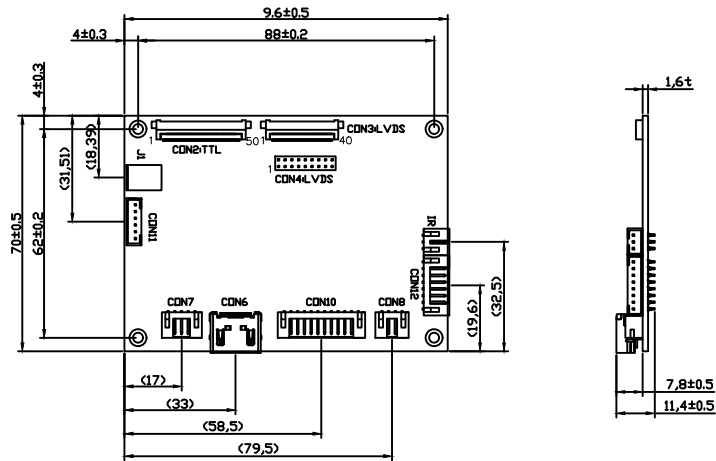


# HDMI TO LVDS/TTL BOARD



NOTES:

1. POWER SUPPLY: 12.0VDC

REV	DC/EC NUMBER	DESCRIPTION	DATE

CON8: CVBS ASSIGNMENT (4PIN/2.0)

PIN	SYMBOL	FUNCTION
1	CVBS2	
2	GND	
3	CVBS1	
4	GND	

CON9: HDMI ASSIGNMENT

PIN	ASSIGNMENT
1	TMDS Data2+
2	TMDS Data2 Shield
3	TMDS Data2-
4	TMDS Data1+
5	TMDS Data1 Shield
6	TMDS Data1-
7	TMDS Data0+
8	TMDS Data0 Shield
9	TMDS Data0-
10	TMDS Clock+
11	TMDS Clock Shield
12	TMDS Clock-
13	CEC
14	NC
15	SCL
16	SDA
17	DDC/CEC Ground
18	+5V Power
19	Hot Plug Detect

CON10: VGA ASSIGNMENT (12PIN/2.4)

PIN	SYMBOL	FUNCTION
1	GND	
2	VS	
3	HS	
4	GND	
5	R+	
6	GND	
7	G+	
8	GND	
9	B+	
10	GND	
11	SDA	
12	SCL	

CON11: INVERTER CONTROL (6PIN/1.4)

PIN	SYMBOL	FUNCTION
1	GND	
2	GND	
3	PWM	
4	DN/OFF	
5	VCC 12V	
6	VCC 12V	

CON12: OSD Button ASSIGNMENT (9PIN/2.0)

PIN	SYMBOL	FUNCTION
1	VCC	
2	GND	
3	POWER LED	
4	POWER DN/OFF	
5	MENU	
6	SOURCE	
7	LEFT	
8	RIGHT	
9	AUTO	

PIN	SYMBOL	FUNCTION
1	+12.0V	
2	+12.0V	
3	GND	
4	GND	

J1: Backlight ASSIGNMENT (2PIN)

PIN	SYMBOL	FUNCTION
1	LED+	
2	LED-	

CON4: TFT LVDS ASSIGNMENT

PIN	SYMBOL	FUNCTION
1	VCC	
2	VCC	
3	VCC	
4	GND	
5	GND	
6	GND	
7	RXD0-	
8	RXD0+	
9	RXD1-	
10	RXD1+	
11	RXD2-	
12	RXD2+	
13	GND	
14	GND	
15	RXCLKIN-	
16	RXCLKIN+	
17	RXD3-	
18	RXD3+	

CON3: TFT LVDS ASSIGNMENT CON2: TFT TTL ASSIGNMENT

PIN	SYMBOL	FUNCTION
1	VCOM	
2	VDD	
3	VDD	
4	NC	
5	RESET	
6	STBYB	
7	GND	
8	RXIN0-	
9	RXIN0+	
10	GND	
11	RXIN1-	
12	RXIN1+	
13	GND	
14	RXIN2-	
15	RXIN2+	
16	GND	
17	RXCLKIN-	
18	RXCLKIN+	
19	GND	
20	RXIN3-	
21	RXIN3+	
22	GND	
23	NC	
24	NC	
25	GND	
26	NC	
27	DIM0	
28	SELB(HSD)	
29	AVDD	
30	GND	
31	LED-	
32	LED-	
33	L/R	
34	U/D	
35	VGL	
36	NC	
37	NC	
38	VGH	
39	LED+	
40	LED+	

PIN	ASSIGNMENT
1	LEDA
2	LEDA
3	LEDK
4	LEDK
5	GND
6	VCOM
7	DVDD
8	MODE
9	DE
10	VS
11	HS
12	B7
13	B6
14	B5
15	B4
16	B3
17	B2
18	B1
19	B0
20	G7
21	G6
22	G5
23	G4
24	G3
25	G2
26	G1
27	G0
28	R7
29	R6
30	R5
31	R4
32	R3
33	R2
34	R1
35	R0
36	GND
37	DCLK
38	GND
39	L/R
40	U/D
41	VGH
42	VGL
43	AVDD
44	RESET
45	NC
46	VCOM
47	DITHB
48	GND
49	NC
50	NC

CONTROL DIMENSION:		<b>XinSun Display Co., Ltd.</b>	
REFERENCE DIMENSION:	( )		
APPROVED:	JOBS	MODEL NAME	3rd ANGLE
CHECKED:	ERIC	PART NAME	UNIT
DESIGNED:	ISSCA	ADB-121WX01AM1 V00	mm
		DRAWING NUMBER	SCALE
		MATERIAL NUMBER	1:1
			PAGE
			1/1