

Product Specification

1. Brief Description

The SME_NVT_660 is a LCD monitor controller. It can drive the LCD with LVDS from 640x480 to 1920x1200 and up to 24bit (RGBx8) bit color, also supports the LCD-Vcc with 3.3V, 5V and 12V. The SME_NVT_660 can auto-detect the horizontal and vertical sync from input signal, and the range of H-sync is 30~80 KHz, the range of V-sync is 60~75 Hz.

2. Features

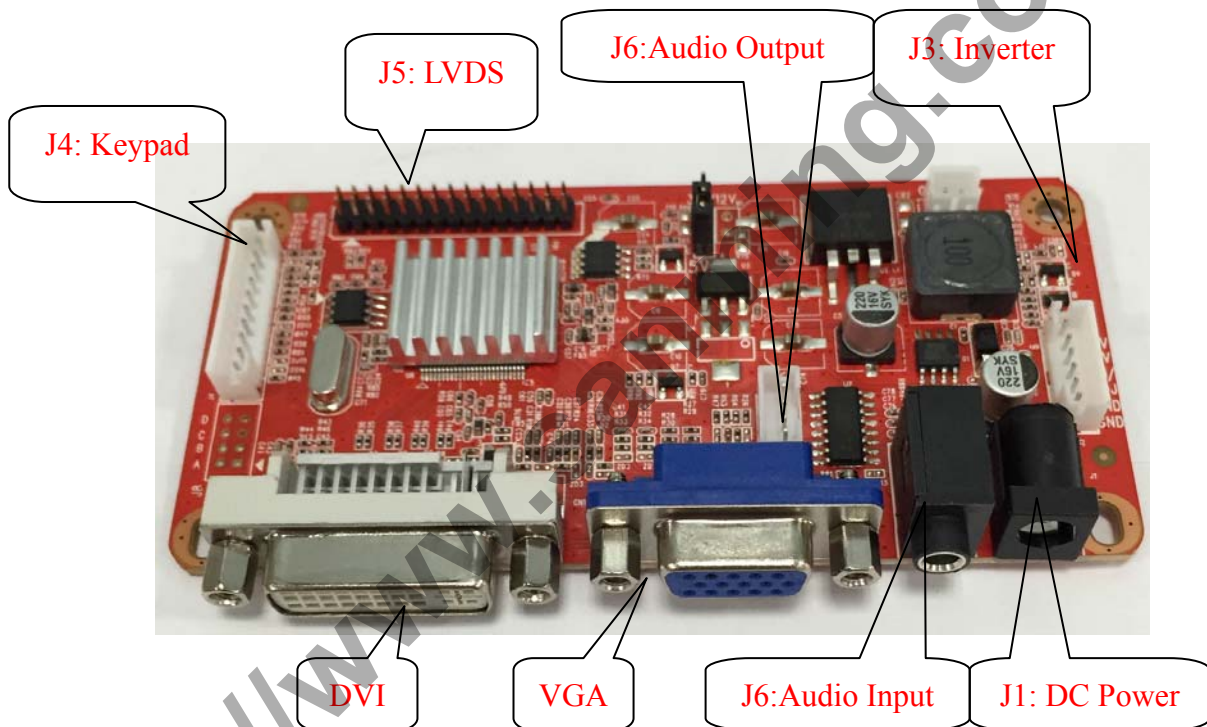
Input Signal	Analog RGB (0.7 Vp-p); Digital RGB (TMDS); H-V sync separation (LVDS)		
Support Mode	DOS, VGA, SVGA, XGA, WXGA, WXGA+, WSXGA+, UXGA, WUXGA		
Color Depth	RGB x 8 bit		
H-Sync	30 ~ 80 KHz		
V-Sync	60 ~ 75 Hz		
Output Signal	LVDS		
Audio Output Power	2 x 3W (4 Ω)		
Keypad	Power, Left, Right, Menu, Auto		
OSD Menu	Luminance	Brightness, Contrast, Gamma, DCR, AutoColor	
	Picture	Phase, Clock, H-Position, V-Position	
	Color Temperature	5000K, 6500K, 7500K, 8200K, 9300K, 11500K, sRGB, User Define	
	OSD Setting	H-Position, V-Position, Transparency, OSD Time Out	
	Setup	Language	English, Spanish, German, Italian, Japanese, Russian
		Mute	ON / OFF
Input		D-SUB, DVI	
Display Size		Full Screen, 4:3, Smart 4:3	
Reset		YES / NO	

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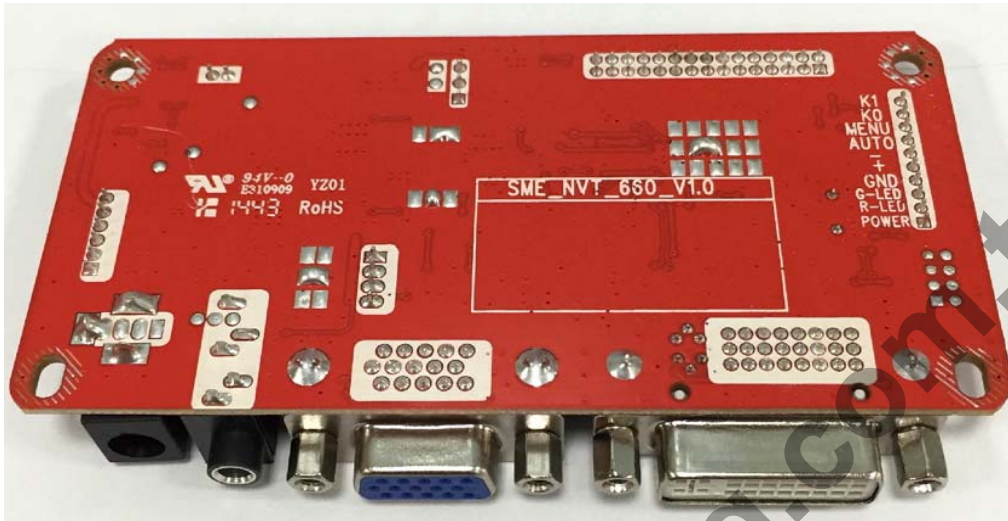
Power Input	12V(+/-0.6V) DC
Power Mode	Normal, Power Saving

3. Outline

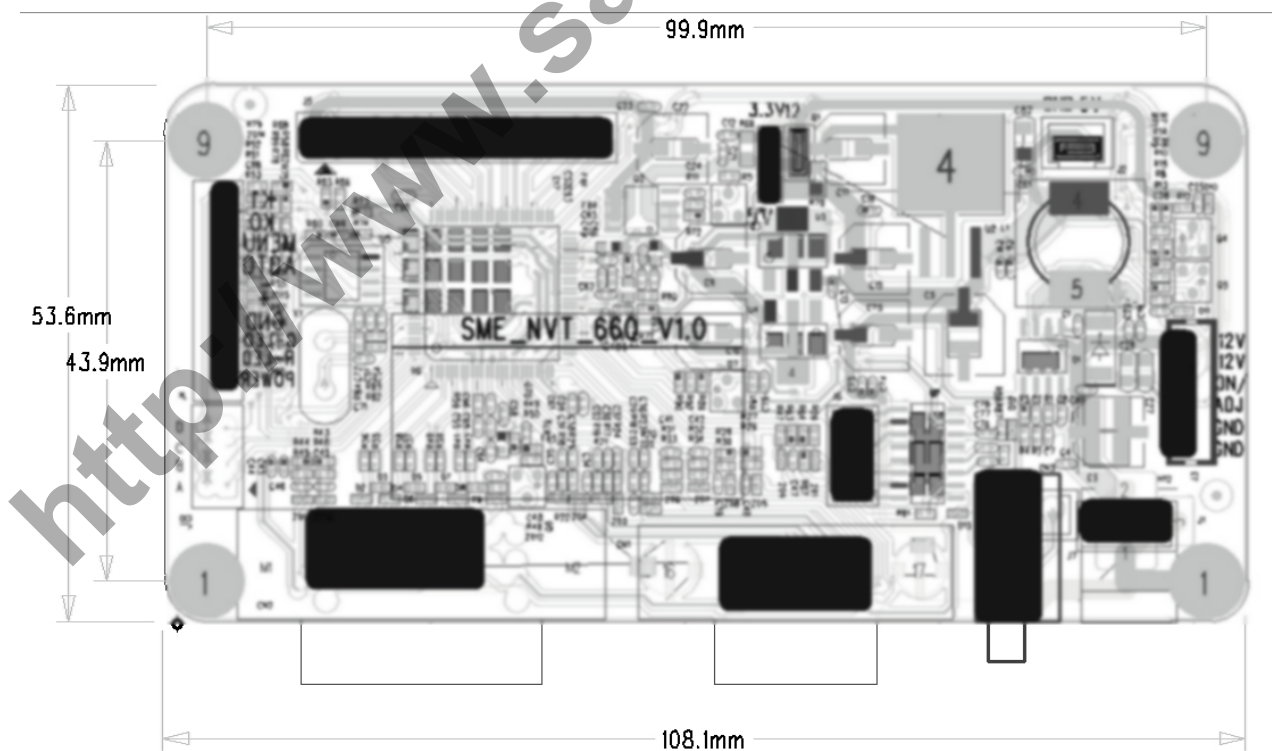
3.1 Component Side



3.2 Solder Side



3.3 Mechanical Characteristics



4. Connector

J3: Inverter	
PIN #	DESCRIPTION
1 - 2	Ground
3	ADJ
4	ON /OFF
5	+12V

J4: Keypad	
PIN #	DESCRIPTION
1	Power
3	R-LED
4	G-LED
5	GND
6	+
7	-
8	AUTO
9	MENU

J5: Audio Output	
PIN #	DESCRIPTION
1	L-Out
2 -3	GROUND
4	R-Out

5. Supported Resolution

Mode	H (KHz)	V (Hz)
640x480	31.5	60.0
720x400	31.5	60.0
800x600	37.9	60.3
800x600	46.9	75.0
1024x768	48.4	60.0
1024x768	60.0	75.0
1280x720	45.0	60.0
1280x720	56.5	74.8
1280x768	47.8	59.9
1280x800	49.7	59.8
1280x960	60.0	60.0
1280x1024	64.0	60.0
1600x1200	75.0	60.0
1680x1050	65.3	60.0
1920x1080	67.2	60.0
1920x1200	74.6	59.9