AD6038GD
Display Control Board, WUXGA

AD6038GD is a high integrated display controller solution for producing real time, top quality digital video and computer graphic images on LCD panel. The AD6038GD provides an ideal interface between industry standard digital graphics controllers and a wide variety of LCD panel devices. It has a display port and DVI-D input. Rev.1 is European RoHS compliant., resolution can support all coming VESA modes and up to WUXGA (1920x1200)

Key Features

- Maximum resolution WUXGA (1920x1200)
- Support dual pixel (48bits) LVDS and single pixel (24bits) LVDS
- Support refresh rate up to 75Hz, compatibility with standard VESA specification
- Support non-linear scaling from 4:3 to 16:9 or 16:9 to 4:3
- High resolution PWM dimming control output
- Provide one VR connector for external dimming control
- Provide IR remote control function

Specifications   V2

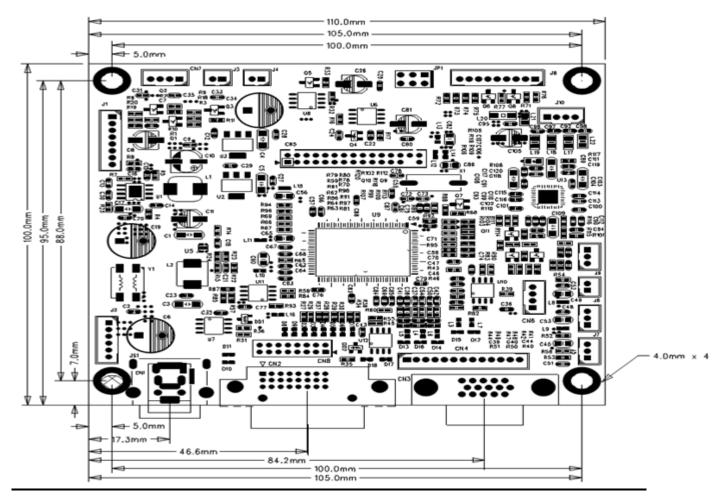| Model No.	AD6038GD
Chip	St6038
Max. Resolution	WUXGA (1920x1200)
Interface	Single (24bits) / Dual (48bits) LVDS
Input Power	DC 12V
Panel Power Selection	3.3V, 5V, 12V
Video Input	**VGA, DVI**
Light Sensor	Yes
IrDA	Yes
Speaker	2W x2
External VR Control	Yes
Board Dimension	**100 x 100 mm**
F / R Control Button	☐ 5 Key ☐ 4 Key
☐ 5 Key	Power Switch, Menu, Select (+,-), Auto
☐ 4 Key	Power Switch, Menu, Select (+,-),
OSD Menu	Brightness, Contrast, H/V Position, Color, Phase, Clock...

Specifications are subject to change without notice.
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Mechanical Drawing

Outline Dimensions Unit:mm

AD6038GD

Ordering Information

Part Number	Description
AD6038GD: 890160382200	PCBA,AD,AD6038GD,V2.0.WITH POWER DIN,P

Optional Accessories

Part Number	Description
980000020011	Light Sensor with cable
980000040010	VR with cable