

G607

LED receiver series

Version: v1.2

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Specification



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Professional Ultra HD Video Display
Control system integrated solution and service provider

Version history

The version number	Change details	Publish time
V1.0	The first version was released	2021. 06.12
V1.1	Modify the document device description	2021. 07.08
V1.2	Modify the cover page	2021.10.25

1 Product overview

1.1 Product application

G607 receiving card is a receiving device that displays data in the LED display control system, which is used to convert the received data into the control signal of the module.

1.2 Features

- A single card has 4 26Pin interfaces and outputs 20 sets of RGB data.
- Support a variety of general-purpose chips, PWM chips, dual latch chips.
- Unique arbitrary frequency doubling technology, the phone shoots without scanning lines.
- Unique color transformation technology makes the face complexion more realistic.
- Support high gray, high brush, low brightness high grayscale display.
- The details are handled perfectly to eliminate problems such as dark, low gray and red, ghosting and so on.
- Supports point-by-point correction of brightness and chromaticity, provides correction of low gray compensation, and ensures low gray effect.
- Support one-click read back profile information function.
- Support one-click repair function, card replacement worry-free.
- Supports real-time detection of network communication status and detection of network cable connection sequence.
- Support any extraction point, easy to set up a variety of special-shaped screens.
- Program write protection, upgrade power failure worry-free.
- Complies with EU RoHS standards.
- Passed CE, FCC certification.

2 Product appearance



Figure 1 G607 Receiving card

3 Interface signal definition

3.1 4 x 26P interfaces (JP1-JP4).

The definitions are as follows:

Pins	definition	Pins	definition
1	A	2	B
3	OE	4	LAT
5	CLK	6	VCC
7	C	8	D
9	E	10	R1
11	G1	12	B1
13	GND	14	R2
15	G2	16	B2
17	R3	18	G3
19	B3	20	GND
21	R4	22	G4
23	B4	24	R5
25	G5	26	B5

Description: The E signal, which can be used as a blanking control pin when the display scan is less than 16 sweeps.

Greater than 16 sweeps as an E signal.

3.2 Indicator stand (JP5).

The pins are defined as follows:

1	2	3	4	5
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STA_LED	LED+ / +3.3 V	PWR_LED-	KEY+	KEY-/GND
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4 Description of the LED status

LED status	
LED1	The power indicator is red, and the solid light indicates that the power supply is normal and goes off The delegate is not powered on
LED2	The device operation indicator is green, flashes when there is a signal input, and is not lit or solid when there is no signal

5 Electrical parameters

project	The parameter value
Rated voltage	DC 3.5V-6V
Rated current	0.6A - 1.0A
Operating temperature	-10°C- 70°C
Operating humidity	0% - 95%

6 Dimensional drawings

Unit mm

