灰度科技
HUIDU TECHNOLOGY

PRODUCT SPECIFICATION

Receiving Card

HD-RB6

V0.1

Update History

Version	Release time	Description
V0.1		First official release.

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1. Overview

RB6 is an ultra-small size receiving card that supports synchronous control system and asynchronous control system at the same time, can be widely used in ultra-thin cabinets, transparent screens, light bar screens, film screens and other scenarios, single card supports up to 32 groups of RGB parallel data or transparent screen 64 groups of serial data (expandable to 128 groups of serial data), for the light strip film screen can support 96 groups of data.

2. Parameters

Features	Parameters
With sending card	Dual-mode sending box, Asynchronous sending card, Synchronous sending card, Video processor of VP series.
Module type	Compatible with all common IC module, supported most PWM IC module.
Scan mode	Supports any scanning method from static to 1/128 scan
Communication method	Gigabit Ethernet
Control range	Maximum loading capacity: 131,072 pixels (256*512) Recommended loading capacity: 98,304 pixels (256*384)
Multi-card connection	Receiving card can be put in any sequence
Gray scale	256~65536
Smart setting	A few simple steps to complete the smart settings, through the screen layout can be set to go with any alignment of the screen unit board
Test functions	Receiving card integrated screen test function, Test display brightness uniformity and display module flatness.
Communication distance	Super Cat5, Cat6 network cable within 80 meters
Port	84PIN*2
Input voltage	3.8V-5.5V
Power	2.5W

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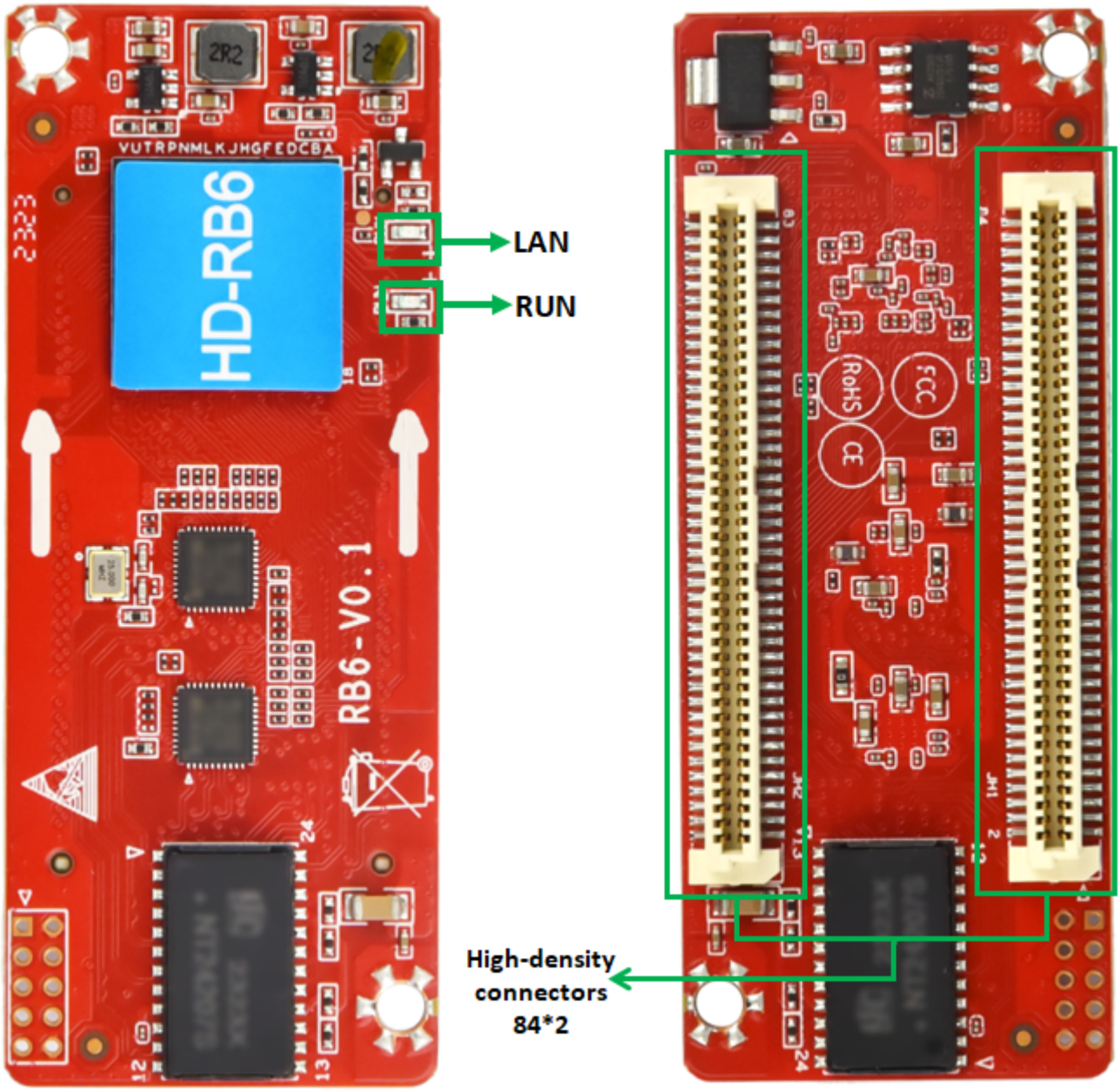
3. Description of Appearance

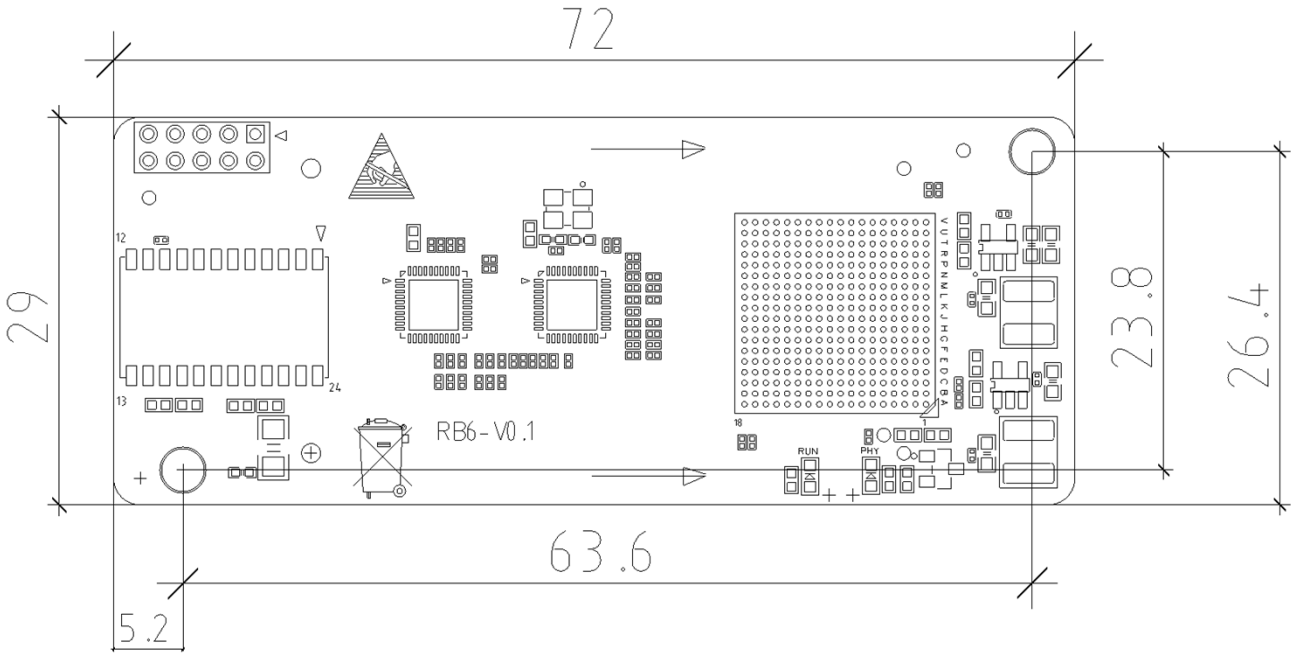


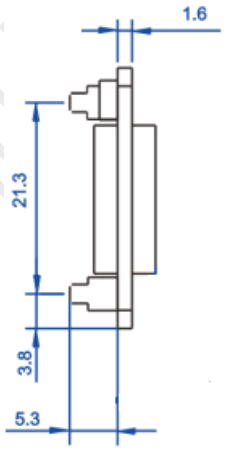
RUN Operation indicator: When the receiving cartoon power works normally, the indicator flashes 1 time/second.

LAN Network indicator: The network connection and sending and receiving data are normal, and the indicator light flashes rapidly.

High-density connector: JH1, JH2 are used to connect with the display adapter board or unit board, and the interface pins are defined below.

4. Dimensions





unit：mm　　tolerance：±0.3mm

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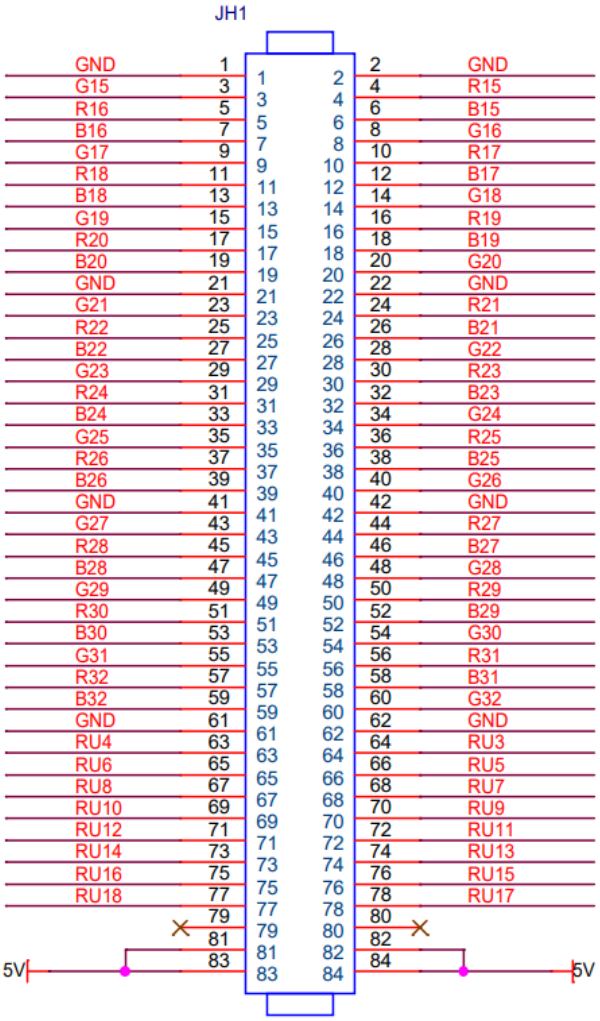
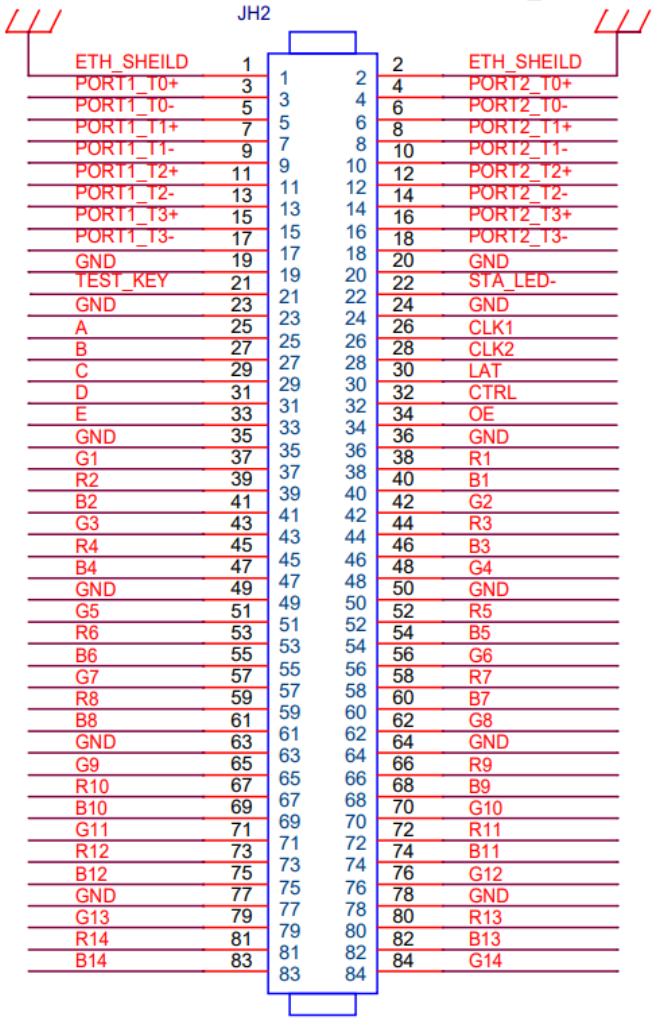
5. Data Interface Definition

32 sets of parallel data patterns





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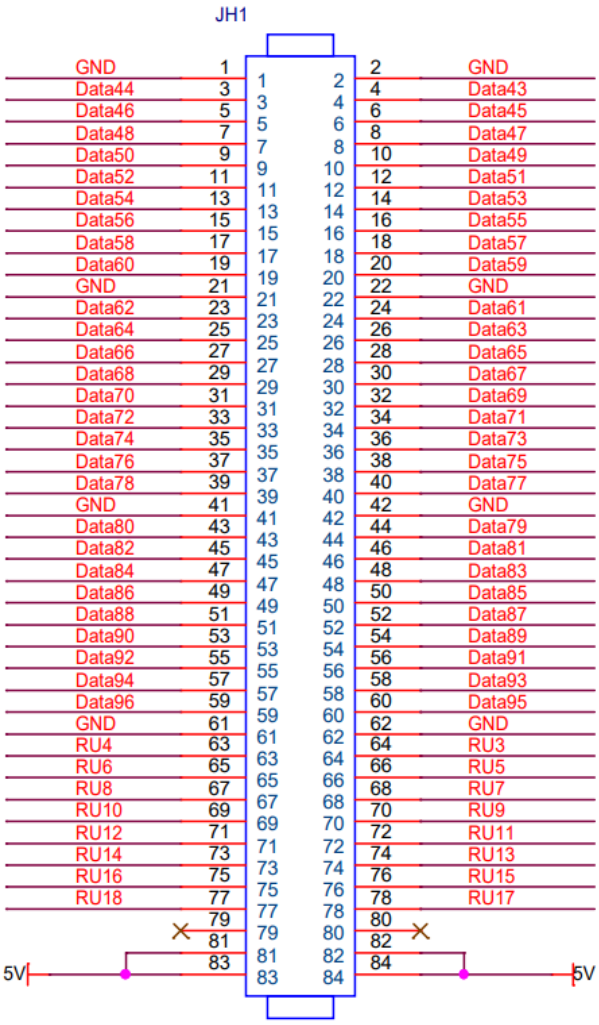
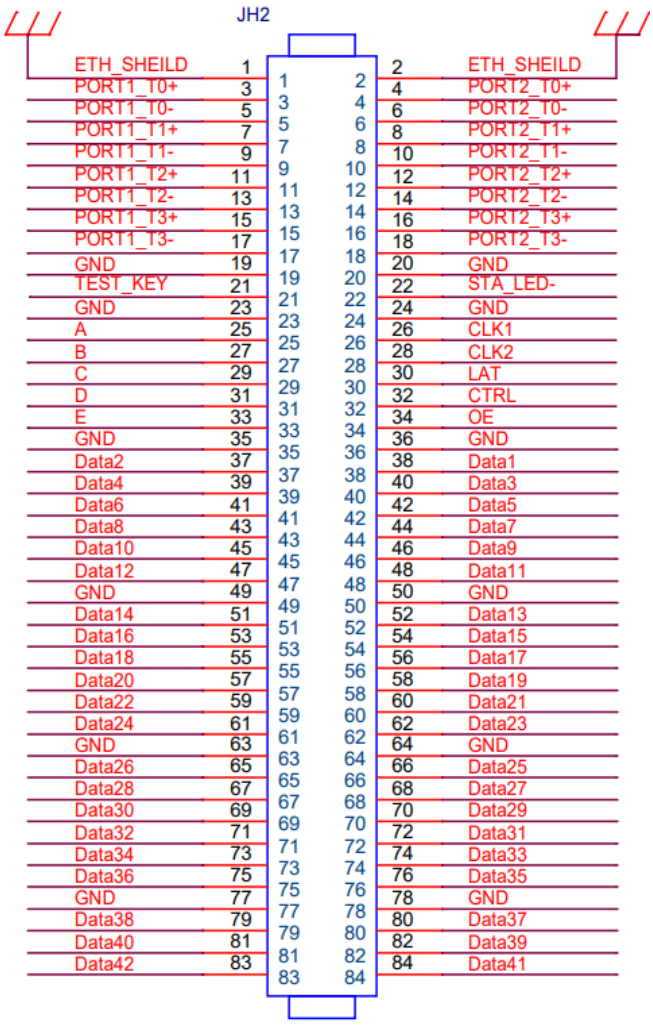
96-bit serial data mode (compatible with 64-bit serial data mode)





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6. Technical Parameters

Item	Parameter value
Rated Voltage (V)	DC 3.8V-5.5V
Working Temperature (℃)	-40℃~80℃
Working Environment Humidity (%RH)	0~90%RH
Storage Environment Humidity (%RH)	0~90%RH
Net weight (g)	≈15g

Precautions:

1) Ensure the system long-term stable running, please use the standard power supply.
2) Please do not operate with electricity
3) Due to the production batch and other reasons, there may be a slight error between the photo and the real thing. If in doubt, please confirm with us.

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