# H5s Specification

## LED Receiving Card Series

Version: v1.0

Release Date: April 2025

# Revision History

| Version Number | Summary of the Revisions | Revision Date | Revised by |
|---|---|---|---|
| V 1.0 | Initial release | 2025/04/27 | Zhang Yongjie |

## Product Overview

The H5s receiving card is a small-size universal receiving card used in LED displays as a display data receiving device. It is used to convert the received data into signals that can be recognized by the driver chip and splice them into images for display on the large screen. It supports 18bit+, point-by-point brightness and color correction, fast seam repair, module batch correction, 3D display, RGB independent gamma adjustment, arbitrary angle rotation and other functions to improve display effects and user experience.

H5s uses a pair of high-density connectors for communication design, which is shockproof, dustproof and highly stable. It supports 32 sets of parallel data, or 64 sets of serial data, and can be expanded to 128 sets of serial data. The maximum load supported by a single card is:

PWM: 512x512; conventional : 512x320.

## Product Certification

RoHS certification, EMC Class A, EMC needs to be tested with a box, if necessary, please contact Kystar technicians for assistance

**Note: If the product has no relevant certification in any country or region, please contact Kystar immediately for confirmation or processing. Otherwise, if any legal risks are caused, the customer shall bear them by himself or Kystar shall have the right to seek compensation.**

# Features

## Display Effect

- Support 8-bit video input.
- Support 18bit+ grayscale display.
- Support point-by-point brightness and chromaticity correction function.

  With Kystar's point-by-point correction technology, the brightness and color of each light point are corrected to solve the color difference problem and improve the consistency of the entire screen.
- Support module batch correction function.

  Adjust brightness and color for a single box or module to improve display differences caused by batch problems
- Supports quick seam repair.

  Adjust the light and dark lines at the module/cabinet joint to improve the brightness consistency of the display. Parameter adjustment takes effect in real time and is easy to operate.
- Supports 3D display effects (load reduced by half).

  Cooperate with 3D transmitter and 3D glasses to realize 3D display effect.
- Supports independent adjustment of RGB.

Independent adjustment of RGB gamma can effectively control low gray uniformity, inaccurate white balance and other issues, thereby improving display effects

**After-sales maintenance**

- Supports light board FLASH management.

  light boards with FLASH , enabling editing and reading back of correction coefficients and light board IDs

- Supports Mapping function.

  The device number and other information can be displayed on the cabinet to understand the wiring method

- Supports photo-taking and screen-connected function.

  complete the production of the display connection diagram by taking photos of the display and uploading them .

- Supports Pre-stored picture settings.

  Customize the display screen when power is on, network cable is disconnected, or there is no video source signal

- Supports its own temperature and voltage monitoring functions.

  No need to connect other devices, real-time monitoring of device temperature and voltage parameters is possible

- Support external LCD module.

  An external LCD module can be connected to display the temperature, voltage, single operation time and total operation time of the receiving card

- Supports real-time detection of network communication status.

  Assist in eliminating abnormalities in the communication link by detecting the number of error packets in data transmission at the receiving card network port

- Supports one-click reading back of configuration file information.

  Read back the configuration parameters of the receiving card and save them locally

- Supports arbitrary point extraction, easy to set various special-shaped screens.

  You can follow the software prompts to set any special-shaped light panels , and easily realize the configuration and debugging of various special-shaped screens, which is convenient and fast.

- Supports display screen rotation at any angle.

  Rotate the displayed image at any angle

**Product stability**

- Adopt high-density connector interface, the connection is stable and reliable.
- Integrated network transformer to improve electromafgnetic compatibility.
- Support loop backup function.

  The receiving card and the sending card are connected to form a loop through the main and standby network cables. When a fault occurs somewhere in the link, it will not affect the screen display, thus improving the reliability of the project.

- Support dual card backup.

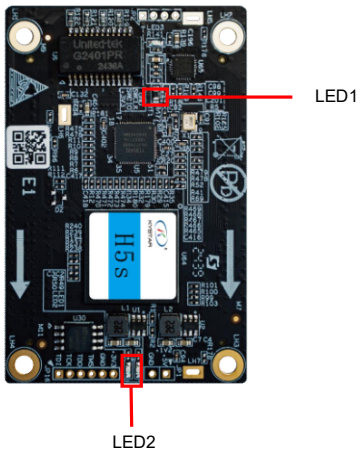
  For sites with high reliability requirements, the main and backup receiving cards can be connected on a HUB board. When the main card fails, the backup card can take over the main card in time to ensure continuous display on the screen.

- Support dual power backup detection function.

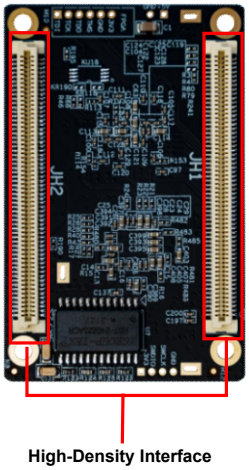
  The status of the main and standby power supplies in the box can be detected.

# Parameter

Front panel appearance



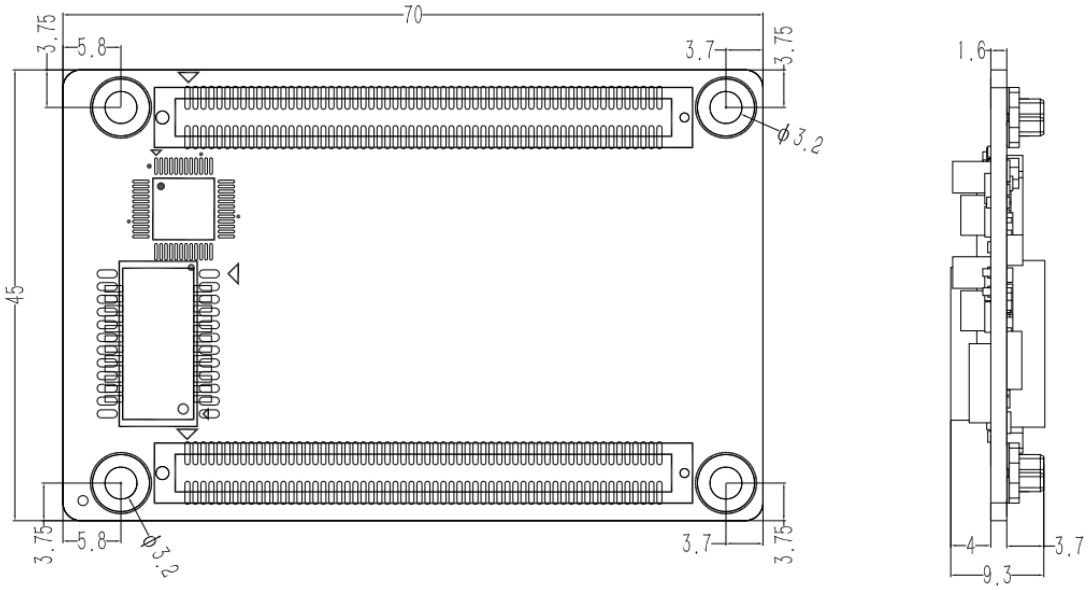

Rear panel appearance




**The product images in this article are for reference only. Please refer to the actual product purchased.

| Indicator Status | |
|---|---|
| Type | Illustrate |
| LED1 | The power indicator light is red. If it is always on, it means the power supply is normal. If it is off, it means there is no power. |
| LED2 | The device operation indicator light is green, flashing when there is a signal input, and off or always on when there is no signal. |
| LED3 | The MCU signal indicator light is red, flashing when the program is normal, and not lit when abnormal. |

## Size




* The board-to-board high-density connector has a combined height of 5.0mm and it is recommended to use a 5.0mm copper column.

**Unit: mm , tolerance ± 0.3mm**

# Specification

| Specification | |
|---|---|
| Rated voltage | DC 3.8V-5.5V |
| Rated current | 0.6A |
| Rated Power | 3.0W |
| Operating temperature | -10℃- 70℃ |
| Operating humidity | 0% - 95%, non-condensing |
| Storage temperature | -40℃- 85℃ |
| Storage humidity | 0% - 95%, non-condensing |
| Single card specifications | 70x45x9.3mm |
| Packaging Specifications | Single card anti-static bag packaging, 50 cards per box |
| Full box weight | 1.65Kg |
| Carton size | 500x215x140mm |

# 32 groups of parallel data interface definition

| JH1 | | | | | | |
|---|---|---|---|---|---|---|
| Illustrate | | Pin Definition | Pin Number | Pin Number | Pin Definition | Illustrate |
| | | GND | 1 | 2 | GND | |
| | LCD CS signal | EXT_LCD_CS | 3 | 4 | NC | |
| | LCD RS | EXT_LCD_RS | 5 | 6 | NC | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | signal | | | | | | |
| | LCD clock signal | EXT_LCD_SCL | 7 | 8 | NC | | |
| LCD | LCD data signal | EXT_LCD_SDA | 9 | 10 | NC | | |
| | LCD backlight signal 1 | EXT_LCD_BL0 | 11 | 12 | NC | | |
| | LCD backlight signal 2 | EXT_LCD_BL1 | 13 | 14 | NC | | |
| | LCD control buttons | EXT_KEY | 15 | 16 | NC | | |
| Note 5 | / | RFU1 | 17 | 18 | NC | | |
| | / | RFU2 | 19 | 20 | NC | | |
| | | GND | 21 | 22 | NC | | |
| | | NC | 23 | 24 | NC | | |
| | | GND | 25 | 26 | GND | | |
| | / | G17 | 27 | 28 | R17 | / | |
| | / | R18 | 29 | 30 | B17 | / | |
| Note 2 | / | B18 | 31 | 32 | G18 | / | Note 2 |
| | / | G19 | 33 | 34 | R19 | / | |
| | / | R20 | 35 | 36 | B19 | / | |
| | / | B20 | 37 | 38 | G20 | / | |
| | | GND | 39 | 40 | GND | | |
| | / | G21 | 41 | 42 | R21 | / | |
| | / | R22 | 43 | 44 | B21 | / | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Note 2 | / | B22 | 45 | 46 | G22 | / | Note 2 |
| | / | G23 | 47 | 48 | R23 | / | |
| | / | R24 | 49 | 50 | B23 | / | |
| | / | B24 | 51 | 52 | G24 | / | |
| | | GND | 53 | 54 | GND | | |
| Note 2 | | G25 | 55 | 56 | R25 | | Note 2 |
| | | R26 | 57 | 58 | B25 | | |
| | | B26 | 59 | 60 | G26 | | |
| | | G27 | 61 | 62 | R27 | | |
| | | R28 | 63 | 64 | B27 | | |
| | | B28 | 65 | 66 | G28 | | |
| | | GND | 67 | 68 | GND | | |
| Note 2 | | G29 | 69 | 70 | R29 | | Note 2 |
| | | R30 | 71 | 72 | B29 | | |
| | | B30 | 73 | 74 | G30 | | |
| | | G31 | 75 | 76 | B31 | | |
| | | R32 | 77 | 78 | B31 | | |
| | | B32 | 79 | 80 | G32 | | |
| | | GND | 81 | 82 | GND | | |
| | / | RFU4 | 83 | 84 | RFU3 | / | |
| | / | RFU6 | 85 | 86 | RFU5 | / | |
| Note 2 | / | RFU8 | 87 | 88 | RFU7 | / | Note 2 |
| | / | RFU10 | 89 | 90 | RFU9 | / | |
| | / | RFU12 | 91 | 92 | RFU11 | / | |
| | / | RFU14 | 93 | 94 | RFU13 | / | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | GND | 95 | 96 | GND | | |
| Note 5 | / | RFU16 | 97 | 98 | RFU15 | / | Note 5 |
| | / | RUF18 | 99 | 100 | RFU17 | / | |
| | | NC | 101 | 102 | NC | | |
| | | NC | 103 | 104 | NC | | |
| | | NC | 105 | 106 | NC | | |
| | | NC | 107 | 108 | NC | | |
| | | GND | 109 | 110 | GND | | |
| | | GND | 111 | 112 | GND | | |
| | | NC | 113 | 114 | NC | | |
| | | VCC | 115 | 116 | VCC | | |
| Note 1 | | VCC | 117 | 118 | VCC | | Note 1 |
| | | VCC | 119 | 120 | VCC | | |

## JH2

| Illustrate | | Pin Definition | Pin Number | Pin Number | Pin Definition | Illustrate | |
|---|---|---|---|---|---|---|---|
| | Shell grounding | Eth_Sheild | 1 | 2 | Eth_Sheild | Shell grounding | |
| | Shell grounding | Eth_Sheild | 3 | 4 | Eth_Sheild | Shell grounding | |
| | | NC | 5 | 6 | NC | | |
| | | NC | 7 | 8 | NC | | |
| | / | Port1_T0+ | 9 | 10 | Port2_T0+ | / | |
| Gigabit Ethern | / | Port1_T0- | 11 | 12 | Port2_T0 - | / | Gigabit Ethern |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| et | | | | | | | et |
| | | NC | 13 | 14 | NC | | |
| | / | Port1_T1+ | 15 | 16 | Port2_T1+ | / | |
| | / | Port1_T1- | 17 | 18 | Port2_T1- | / | |
| | | NC | 19 | 20 | NC | | |
| | / | Port1_T2+ | 21 | 22 | Port2_T2+ | / | |
| | / | Port1_T2- | 23 | 24 | Port2_T2- | / | |
| | | NC | 25 | 26 | NC | | |
| | / | Port1_T3+ | 27 | 28 | Port2_T3+ | / | |
| | / | Port1_T3- | 29 | 30 | Port2_T3- | / | |
| | | NC | 31 | 32 | NC | | |
| | | NC | 33 | 34 | NC | | |
| | Test button | TEST_INPUT_KEY | 35 | 36 | STA_LED - | Running indicator light | Note 3 |
| | | GND | 37 | 38 | GND | | |
| | Line decoding signal | A | 39 | 40 | DCLK | The first shift clock output | |
| | Line decoding signal | B | 41 | 42 | DCLK_2 | Second shift clock output | |
| | Line decoding signal | C | 43 | 44 | LAT | Latch signal output | |
| | Line decoding signal | D | 45 | 46 | CTRL | Afterglow control signal | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Line decoding signal | E | 47 | 48 | OE_RED | Display Enable | Note 4 |
| Note 4 | Display Enable | OE_BLUE | 49 | 50 | OE_GREEN | Display Enable | |
| | | GND | 51 | 52 | GND | | |
| | / | G1 | 53 | 54 | R1 | / | |
| | / | R2 | 55 | 56 | B1 | / | |
| Note 2 | / | B2 | 57 | 58 | G2 | / | Note 2 |
| | / | G3 | 59 | 60 | R3 | | |
| | / | R4 | 61 | 62 | B3 | / | |
| | / | B4 | 63 | 64 | G4 | / | |
| | | GND | 65 | 66 | GND | | |
| | / | G5 | 67 | 68 | R5 | / | |
| | / | R6 | 69 | 70 | B5 | / | |
| Note 2 | / | B6 | 71 | 72 | G6 | / | Note 2 |
| | / | G7 | 73 | 74 | R7 | / | |
| | / | R8 | 75 | 76 | B7 | / | |
| | / | B8 | 77 | 78 | G8 | / | |
| | | GND | 79 | 80 | GND | | |
| | / | G9 | 81 | 82 | R9 | / | |
| | / | R10 | 83 | 84 | B9 | / | |
| Note 2 | / | B10 | 85 | 86 | G10 | / | Note 2 |
| | / | G11 | 87 | 88 | R11 | / | |
| | / | R12 | 89 | 90 | B11 | / | |
| | / | B12 | 91 | 92 | G12 | / | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | GND | 93 | 94 | GND | | |
| | / | G13 | 95 | 96 | R13 | / | |
| | / | R14 | 97 | 98 | B13 | / | |
| Note 2 | / | B14 | 99 | 100 | G14 | / | Note 2 |
| | / | G15 | 101 | 102 | R15 | / | |
| | / | R16 | 103 | 104 | B15 | / | |
| | / | B16 | 105 | 106 | G16 | / | |
| | | GND | 107 | 108 | GND | | |
| | | NC | 109 | 110 | NC | | |
| | | NC | 111 | 112 | NC | | |
| | | NC | 113 | 114 | NC | | |
| | | NC | 115 | 116 | NC | | |
| | | GND | 117 | 118 | GND | | |
| | | GND | 119 | 120 | GND | | |

## 64 groups of serial data interface definition

| JH1 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Illustrate | | Pin Definition | Pin Number | Pin Number | Pin Definition | Illustrate | |
| | | GND | 1 | 2 | GND | | |
| | LCD CS signal | EXT_LCD_CS | 3 | 4 | NC | | |
| | LCD RS signal | EXT_LCD_RS | 5 | 6 | NC | | |
| | LCD clock | EXT_LCD_SCL | 7 | 8 | NC | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | signal | | | | | | |
| LCD | LCD data signal | EXT_LCD_SDA | 9 | 10 | NC | | |
| | LCD backlight signal 1 | EXT_LCD_BL0 | 11 | 12 | NC | | |
| | LCD backlight signal 2 | EXT_LCD_BL1 | 13 | 14 | NC | | |
| | LCD control buttons | EXT_KEY | 15 | 16 | NC | | |
| Note 5 | / | RFU1 | 17 | 18 | NC | | |
| | / | RFU2 | 19 | 20 | NC | | |
| | | GND | twenty one | twenty two | NC | | |
| | | NC | twenty three | twenty four | NC | | |
| | | GND | 25 | 26 | GND | | |
| | / | Data50 | 27 | 28 | Data49 | / | |
| | / | Data52 | 29 | 30 | Data51 | / | |
| Note 6 | / | Data54 | 31 | 32 | Data53 | / | Note 6 |
| | / | Data56 | 33 | 34 | Data55 | / | |
| | / | Data58 | 35 | 36 | Data57 | / | |
| | / | Data60 | 37 | 38 | Data59 | / | |
| | | GND | 39 | 40 | GND | | |
| | / | Data62 | 41 | 42 | Data61 | / | |
| Note 6 | / | Data64 | 43 | 44 | Data63 | / | Note 6 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | / | NC | 45 | 46 | NC | / | |
| | / | NC | 47 | 48 | NC | / | |
| | / | NC | 49 | 50 | NC | / | |
| | / | NC | 51 | 52 | NC | / | |
| | | GND | 53 | 54 | GND | | |
| | | NC | 55 | 56 | NC | | |
| | | NC | 57 | 58 | NC | | |
| | | NC | 59 | 60 | NC | | |
| | | NC | 61 | 62 | NC | | |
| | | NC | 63 | 64 | NC | | |
| | | NC | 65 | 66 | NC | | |
| | | GND | 67 | 68 | GND | | |
| | | NC | 69 | 70 | NC | | |
| | | NC | 71 | 72 | NC | | |
| | | NC | 73 | 74 | NC | | |
| | | NC | 75 | 76 | NC | | |
| | | NC | 77 | 78 | NC | | |
| | | NC | 79 | 80 | NC | | |
| | | GND | 81 | 82 | GND | | |
| | / | RFU4 | 83 | 84 | RFU3 | / | |
| | / | RFU6 | 85 | 86 | RFU5 | / | |
| Note 5 | / | RFU8 | 87 | 88 | RFU7 | / | Note 5 |
| | / | RFU10 | 89 | 90 | RFU9 | / | |
| | / | RFU12 | 91 | 92 | RFU11 | / | |
| | / | RFU14 | 93 | 94 | RFU13 | / | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | GND | 95 | 96 | GND | | |
| Note 5 | / | RFU16 | 97 | 98 | RFU15 | / | Note 5 |
| | / | RUF18 | 99 | 100 | RFU17 | / | |
| | | NC | 101 | 102 | NC | | |
| | | NC | 103 | 104 | NC | | |
| | | NC | 105 | 106 | NC | | |
| | | NC | 107 | 108 | NC | | |
| | | GND | 109 | 110 | GND | | |
| | | GND | 111 | 112 | GND | | |
| | | NC | 113 | 114 | NC | | |
| | | VCC | 115 | 116 | VCC | | |
| Note 1 | | VCC | 117 | 118 | VCC | | Note 1 |
| | | VCC | 119 | 120 | VCC | | |

## JH2

| Illustrate | | Pin Definition | Pin Number | Pin Number | Pin Definition | Illustrate | |
|---|---|---|---|---|---|---|---|
| | Shell grounding | Eth_Sheild | 1 | 2 | Eth_Sheild | Shell grounding | |
| | Shell grounding | Eth_Sheild | 3 | 4 | Eth_Sheild | Shell grounding | |
| | | NC | 5 | 6 | NC | | |
| | | NC | 7 | 8 | NC | | |
| | / | Port1_T0+ | 9 | 10 | Port2_T0+ | / | |
| Gigabit Etherne | / | Port1_T0- | 11 | 12 | Port2_T0 - | / | Gigabit Ethern |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| t | | | | | | | et |
| | | NC | 13 | 14 | NC | | |
| | / | Port1_T1+ | 15 | 16 | Port2_T1+ | / | |
| | / | Port1_T1- | 17 | 18 | Port2_T1- | / | |
| | | NC | 19 | 20 | NC | | |
| | / | Port1_T2+ | 21 | 22 | Port2_T2+ | / | |
| | / | Port1_T2- | 23 | 24 | Port2_T2- | / | |
| | | NC | 25 | 26 | NC | | |
| | / | Port1_T3+ | 27 | 28 | Port2_T3+ | / | |
| | / | Port1_T3- | 29 | 30 | Port2_T3- | / | |
| | | NC | 31 | 32 | NC | | |
| | | NC | 33 | 34 | NC | | |
| | Test button | TEST_INPUT_KEY | 35 | 36 | STA_LED - | Running indicator light | Note 3 |
| | | GND | 37 | 38 | GND | | |
| | Line decoding signal | A | 39 | 40 | DCLK | The first shift clock output | |
| | Line decoding signal | B | 41 | 42 | DCLK_2 | Second shift clock output | |
| | Line decoding signal | C | 43 | 44 | LAT | Latch signal output | |
| | Line decoding signal | D | 45 | 46 | CTRL | Afterglow control signal | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Line decoding signal | E | 47 | 48 | OE_RED | Display Enable | Note 4 |
| Note 4 | Display Enable | OE_BLUE | 49 | 50 | OE_GREEN | Display Enable | |
| | | GND | 51 | 52 | GND | | |
| | / | Data2 | 53 | 54 | Data1 | / | |
| | / | Data4 | 55 | 56 | Data3 | / | |
| Note 6 | / | Data6 | 57 | 58 | Data5 | / | Note 6 |
| | / | Data8 | 59 | 60 | Data7 | | |
| | / | Data10 | 61 | 62 | Data9 | / | |
| | / | Data12 | 63 | 64 | Data11 | / | |
| | | GND | 65 | 66 | GND | | |
| | / | Data14 | 67 | 68 | Data13 | / | |
| | / | Data16 | 69 | 70 | Data15 | / | |
| Note 6 | / | Data18 | 71 | 72 | Data17 | / | Note 6 |
| | / | Data20 | 73 | 74 | Data19 | / | |
| | / | Data22 | 75 | 76 | Data21 | / | |
| | / | Data24 | 77 | 78 | Data23 | / | |
| | | GND | 79 | 80 | GND | | |
| | / | Data26 | 81 | 82 | Data25 | / | |
| | / | Data28 | 83 | 84 | Data27 | / | |
| Note 6 | / | Data30 | 85 | 86 | Data29 | / | Note 6 |
| | / | Data32 | 87 | 88 | Data31 | / | |
| | / | Data34 | 89 | 90 | Data33 | / | |
| | / | Data36 | 91 | 92 | Data35 | / | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | GND | 93 | 94 | GND | | |
| | / | Data38 | 95 | 96 | Data37 | / | |
| | / | Data40 | 97 | 98 | Data39 | / | |
| Note 6 | / | Data42 | 99 | 100 | Data41 | / | Note 6 |
| | / | Data44 | 101 | 102 | Data43 | / | |
| | / | Data46 | 103 | 104 | Data45 | / | |
| | / | Data48 | 105 | 106 | Data47 | / | |
| | | GND | 107 | 108 | GND | | |
| | | NC | 109 | 110 | NC | | |
| | | NC | 111 | 112 | NC | | |
| | | NC | 113 | 114 | NC | | |
| | | NC | 115 | 116 | NC | | |
| | | GND | 117 | 118 | GND | | |
| | | GND | 119 | 120 | GND | | |

Note 1. Input power VCC is recommended to use3.8-5.5V

Note 2. RGB data sets must be used in groups.

Note 3: The operation indicator light is valid at low level.

Note 4. OE_RED, OE_GREEN, and OE_BLUE are display enable pins. When OE_RGB is not controlled separately, use OE_RED. When using a PWM chip, use the GCLK signal.

Note 5. RFU1~19 are reserved for extended function interfaces. For more information, see “ Extended Function Reference Design”.

Note 6: When using the 128-group serial data group mode , Data65~Data128 correspond to the pins multiplexed with Data1~Data64.

## Extended Function Reference Design

| Extended Function Interface Description | | | |
|---|---|---|---|
| Extension interface | Recommended smart module interface | Recommended light board Flash interface | Illustrate |
| RFU1 | / | / | / |
| RFU2 | / | / | / |
| RFU3 | HUB_CODE0 | HUB_CODE0 | Flash control interface 1 |
| RFU4 | HUB_SPI_CLK | HUB_SPI_CLK | Serial interface clock signal |
| RFU5 | HUB_CODE1 | HUB_CODE1 | Flash control interface 2 |
| RFU6 | HUB_SPI_CS | HUB_SPI_CS | CS signal of serial interface |
| RFU7 | HUB_CODE2 | HUB_CODE2 | Flash control interface 3 |
| RFU8 | / | HUB_SPI_MOSI | Light board Flash storage data input |
| | HUB_UART_TX | / | Smart module TX signal |
| RFU9 | HUB_CODE3 | HUB_CODE3 | Flash control interface 4 |
| RFU10 | / | HUB_SPI_MISO | Light board Flash storage data output |
| | HUB_UART_RX | / | Smart module RX signal |
| RFU11 | HUB_H164_CSD | HUB_H164_CSD | 74HC164 Data Signal |
| RFU12 | / | / | / |
| RFU13 | HUB_H164_CLK | HUB_H164_CLK | 74HC164 clock signal |
| RFU14 | POWER_STA1 | POWER_STA1 | Dual power supply detection |

| | | | |
|---|---|---|---|
| | | | signal 1 |
| RFU15 | MS_DATA | MS_DATA | Dual card backup connection signal |
| RFU16 | POWER_STA2 | POWER_STA2 | Dual power supply detection signal 2 |
| RFU17 | MS_ID | MS_ID | Dual card backup identity signal |
| RFU18 | HUB_CODE4 | HUB_CODE4 | Flash control interface 5 |
| RFU19 | / | / | / |

Note: RFU8 and RFU10 are signal multiplexing expansion interfaces.

You can only choose one between "Recommended smart module interface" and "Recommended light board Flash interface" .

# Copyright Notice



**Trademark Notice** It is a registered trademark of Beijing Kystar .

**Statement**

Welcome to choose the products of Beijing Kystar Technology Co., Ltd. We are very pleased if this document helps and facilitates you to understand and use the products. We strive to be accurate and reliable when writing documents, and may modify or change the content at any time without prior notice. If you encounter any problems during use or have good suggestions, please contact us according to the contact information provided in the document. We will try our best to support you with the problems you encounter during use. We sincerely thank you for your suggestions and will evaluate and adopt them as soon as possible.

Beijing KystarTechnology Co., Ltd.

A professional provider of comprehensive solutions and
operation services for ultra-high-definition video display and control.

Sales@kystar.net
**www.kystar.com.cn/en | www.kommander.com.cn/en**