

Receiving Card VCSG3-V51 Specs

一. Product Introduction

Mooncell VCSG3-V22 is a Universal Receiving Card.

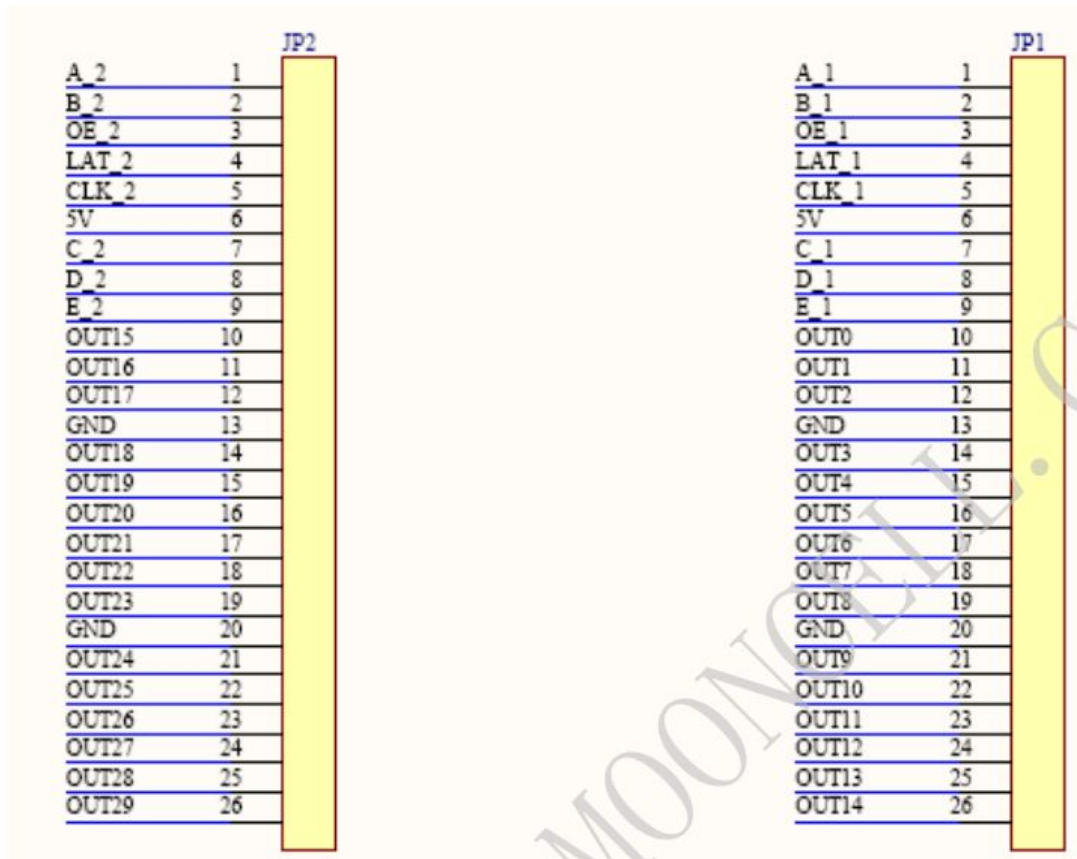
二. Product Features:

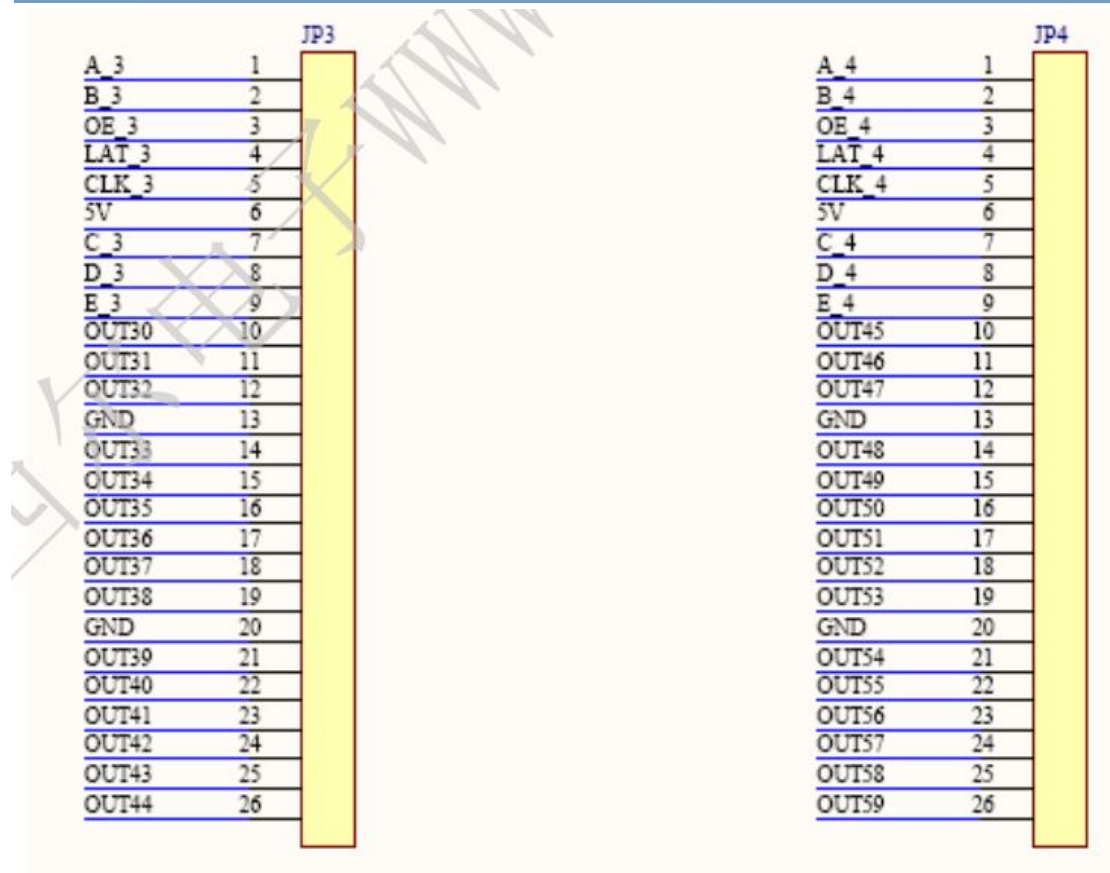
1. It conventionally has 16 sets of RGB Output, which can be extended to 32 Sets.
2. The maximum output of the RGB are 21 sets
3. One single card Connection in series can get 64sets of RGB output, which can be extended to 128
4. The maximum pixel that one can could load is 64K, each set of the data could load 8k pixel.
5. Input voltage: 3.5V--6V
6. High Refresh rate, high brightness and high gray grade with common IC(Driver).
7. Dual backup for the network Cable
8. To get the single pixel calibration without decreasing the pixel load area
9. Variety of Drivers are supported. It supports PWM IC, Point by point Detecting IC and Conventional IC.
10. It supports to save the settings before hand.
11. It supports to monitor all the parameters of the receiving card.
12. It supports to monitor the environment.

- 13. Intelligent recovery function, swapping the receiving cards without the need of loading all the data again.
- 14. Companied with Mooncell Intelligent Power Supply(two power supplies as in parallel, equalized current, short-circuit protection) you will never ever get black screen.
- 15. It confirms to RoHs and CE-EMC standards.

二. The definition of the output port

Definitions of Four 26P Ports:





Note :

1.E Signal, it could be used as the blanking control when the display scan line less than 16, and it will be the E Signal while that's more than 16.

2.Pin No.7-38 of the JP1 and JP2 are for data output and it could be user-defined.

The definition of universal 20 sets data output

JP1 Port-26P-Defination				JP2 Port-26P-Defination			
Pin No.	Definition	Pin No.	Definition	Pin No.	Definition	Definition	Pin No.

1	A	2	B	1	A	2	B
3	OE	4	LAT	3	OE	4	LAT
5	CLK	6	5V	5	CLK	6	5V
7	C	8	D	7	C	8	D
9	E	10	R1	9	E	10	R6
11	G1	12	B1	11	G6	12	B6
13	GND	14	R2	13	GND	14	R7
15	G2	16	B2	15	G7	16	B7
17	R3	18	G3	17	R8	18	G8
19	B3	20	GND	19	B8	20	GND
21	R4	22	G4	21	R9	22	G9
23	B4	24	R5	23	B9	24	R10
25	G5	26	B5	25	G10	26	B10

JP3 Port-26P-Defination				JP4 Port-26P-Defination			
Pin No.	Definition	Pin No.	Definition	Pin No.	Definition	Definition	Pin No.

1	A	2	B	1	A	2	B
3	OE	4	LAT	3	OE	4	LAT
5	CLK	6	5V	5	CLK	6	5V
7	C	8	D	7	C	8	D
9	E	10	R11	9	E	10	R16
11	G11	12	B11	11	G16	12	B16
13	GND	14	R12	13	GND	14	R17
15	G12	16	B12	15	G17	16	B17
17	R13	18	G13	17	R18	18	G18
19	B13	20	GND	19	B18	20	GND
21	R14	22	G14	21	R19	22	G19
23	B14	24	R15	23	B19	24	R20
25	G15	26	B15	25	G20	26	B20

Note: The RGB color of the LED could be swapped.

2. Definition of J9

Pin No.	1	2	3	4	5
Definition	LEDG	3. 3V/LED+	LEDR	KEYH	GND/KEY-

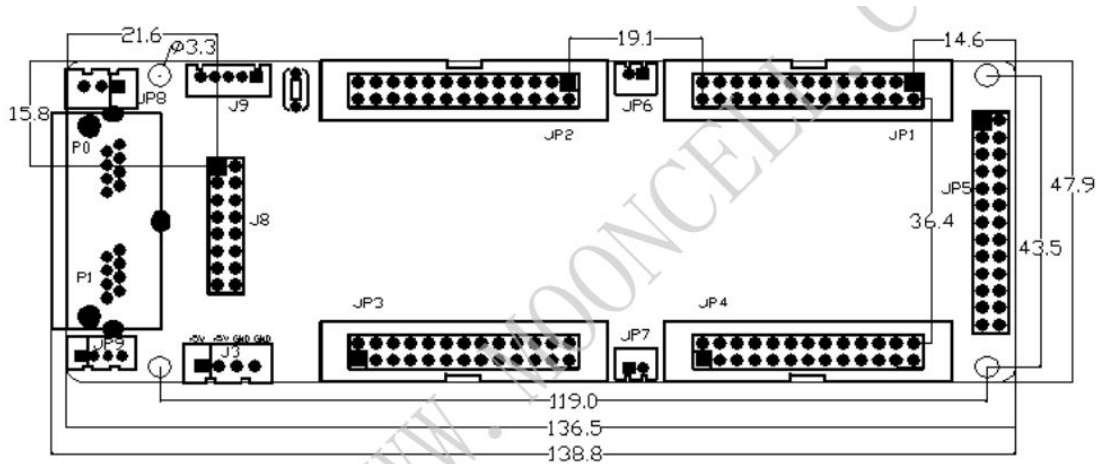
3. Definition of J8

Pin No.	2	4	6	8	10	12	14	16
Definition	A0+	B0+	C0+	D0+	A0+	B0+	C0+	D0+
Pin No.	1	3	5	7	9	11	13	15
Definition	A0-	B0-	C0-	D0-	A0-	B0-	C0-	D0-

4. Definition of J3

Pin No.	1	2	3	4
Definition	+5V	+5V	GND	GND

三. Dimensions and Some Definitions



四. Product Picture

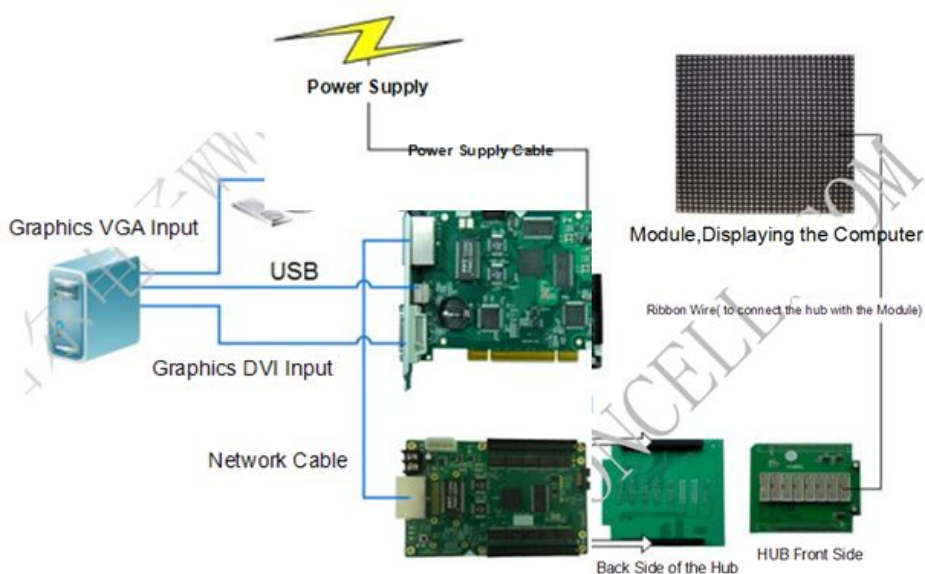


五. Technical Parameters (Working Parameters)

Performance Options	Typical Value	Maximum Value
Supported Screen Module	Single Color/ Dual Color/ Full Color/Virtual Pixel	
Supported Receiving Card Quantity(Single Network Port, Cascading)	<100	240

Numbers of Pixel Loaded for One Single Card	196*128	64K
RGB Output Group	20	20
Lines of One Set of RGB Driver	1/2/4/8/16	1~32
Optical Fiber Transmit Distance	Multi-mode Optical Fiber: 500m; Single-Mode Optical Fiber: 10km	
Some other Performances	10b Video Source, OE Protection, LED Display Self-Detecting	
Working Current	0.6A	1.0A
Protecting Current	3.0A	
Working Temperature	-10°C-65°C	
Extreme Working Temperature	-20°C-75°C	
Working Humidity	0%-95%	

六. Connection



八. Packing Content

1. One Receiving Card, Anti-static Bubble Bag

2. 100PCS as in one Carton

九. **Attentions**

1. Please follow the Instructions for the standard Operation.
2. Professionals are needed to install and test the product, and it has to be anti-static.
3. Keep away from water.