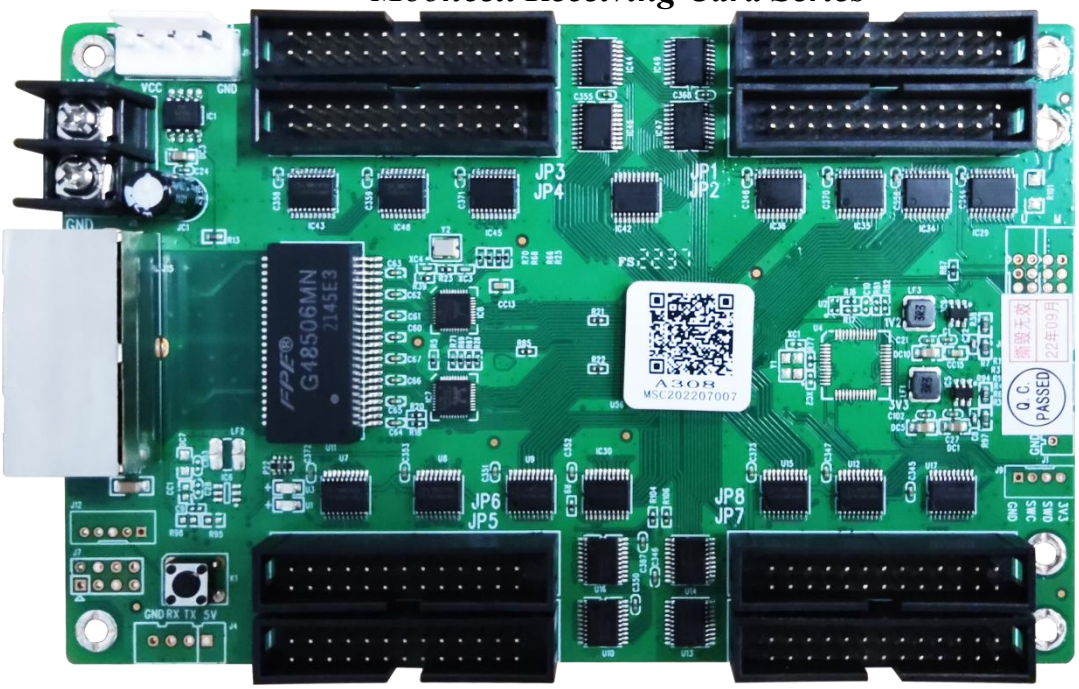
Mooncell Receiving Card Series



Mooncell A308 Receiving Card Specification

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Product Introduction:

A308 is a high-end & small-sized receiving card that produced by Mooncell with large loading capacity, the maximum pixels in total it could load can up to512X384.It has a very high processing performance together with the high stability & reliability,given that the A308 has been widely used at different respectable places and is well accepted by the users.

Application Scenarios:

It can be widely used in the field of high-density small-pitch display. It has significant advantages in application scenarios such as command center, monitoring center, large-scale conferences, live TV broadcasts, and hotel exhibition projects.

Product Characteristics:

Enhanced Displaying Effect

It supports pixel level brightness and Chroma Calibration	*Using it with the Mooncell Calibration Software to calibrate each one of the pixels on its brightness and Chroma. It can effectively eliminate the Chromatic aberration so as to enhance its consistency of the brightness and Chroma to a high level and result in a better displayed effects.*
Multiple Solutions of the Displayed Effects are Supported	*Using it with Monncell AutoLED Software, the Refresh and Grey Scale performances are able to take the precedence over other settings.*
The Images on the led screen can be rotated 90 degree in a factor of multiple times	*Using it with Mooncell AutoLED Software.*
The images can be zoomed in or out	*Using it with Mooncell AutoLED*

	Software, the pixels can be zoomed by a factor of multiple times, with that you can zoom in or out the images.

Enhanced Operability:

The Receiving Card is Supported to detect its own Sequence number	*Using the Network Port testing function on Mooncell AutoLED Software, the receiving card serial number and the Network Port Information will be displayed on the target cabinet. Users will be able to get to know the locations of the receiving cards as well as its Connection diagram.*
Data Port User-Defined is supported	*Using it with the Mooncell AutoLED Software, you can detect and edit the output data of the receiving cards.*
To build up a complicated cabinet is supported	*On AutoLED Software, there is an 'Advanced Setting', from here you can quickly arrange or structure the modules at your option.*
To structure a complicated Led Screen is supported	*On AutoLED Software, there is a "Complicated Led Screen Connection", from here you can quickly arrange or structure the cabinet modules on your option.*

Enhanced Hardware Stability:

Smart software performance enhanced:

The receiving card can read the configuration data back from where it has been stored	*You will be able to do this on Mooncell AutoLED Software.*
It supports to detect the error rates of the network cable	*On the Mooncell AutoLED Software, you can detect the network cable connectivity in real time to tell the condition of the network cables,*

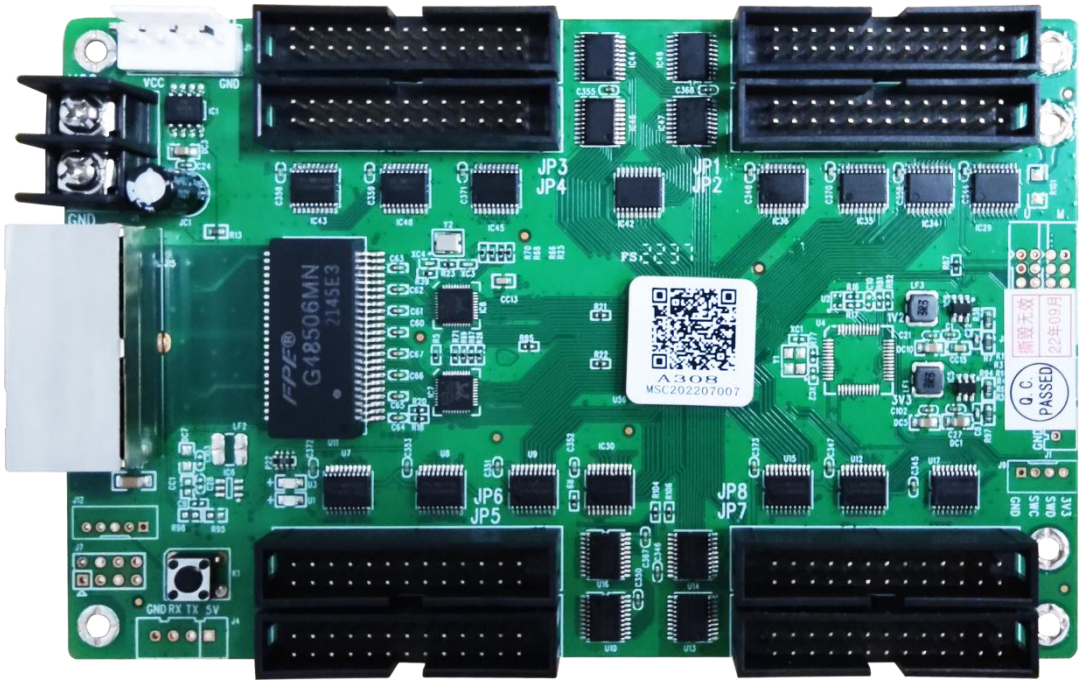
	so that you can get rid of any errors immediately.
Communication Monitoring Function	*On Mooncell AutoLED Software, you can monitor the Working Status of the receiving cards in real time.*

Product Parameters:

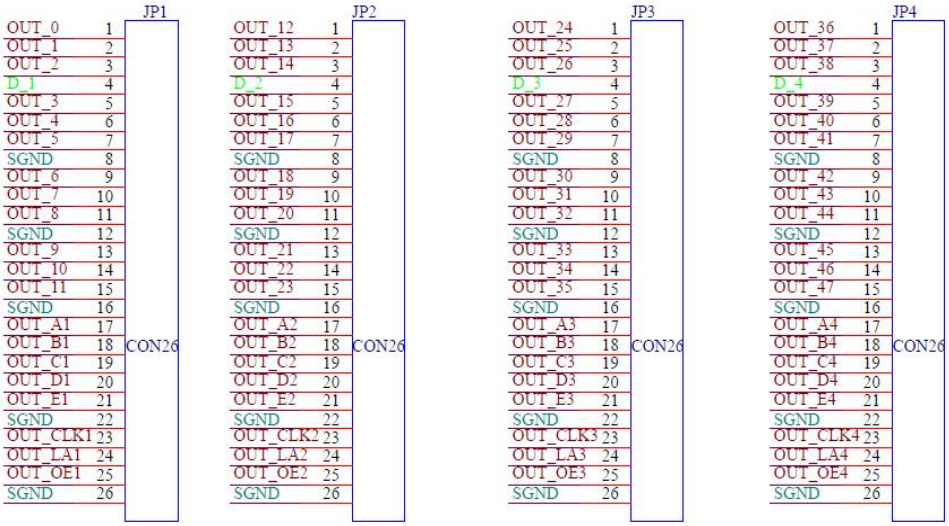
Basic information

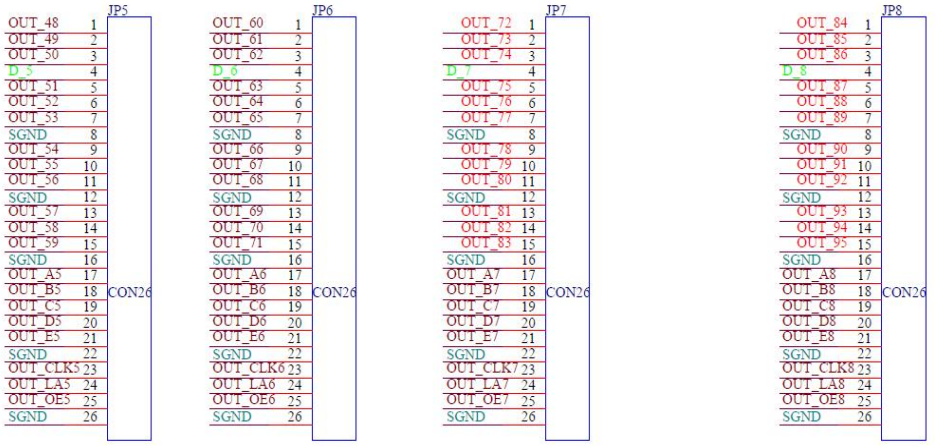
RGB Parallel	*The Maximum Loading Capacity(Pixels)*	*Cascading Cards QTY*	*Scanning Lines Supported*
32Sets	512*384	*≤1000PCS*	*1-64 Scan*

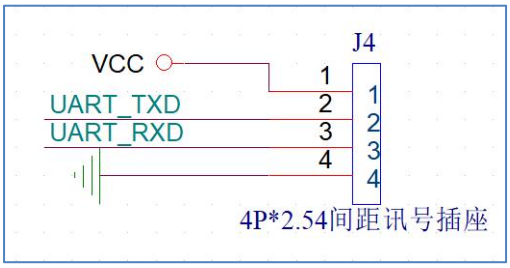
Product Appearance:



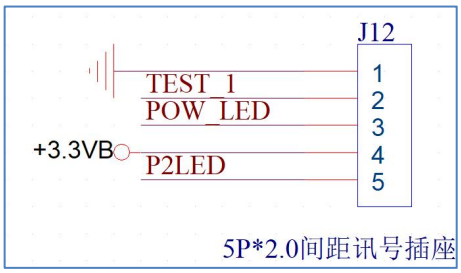
32 Groups of Parallel Data PIN Definition:



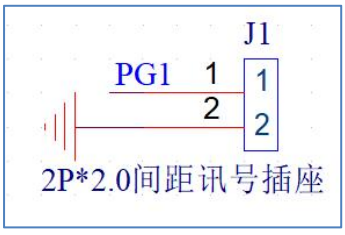




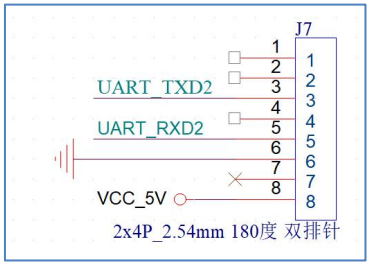
Serial interface



External indicator light, button interface



Power detection interface



External LCD interface

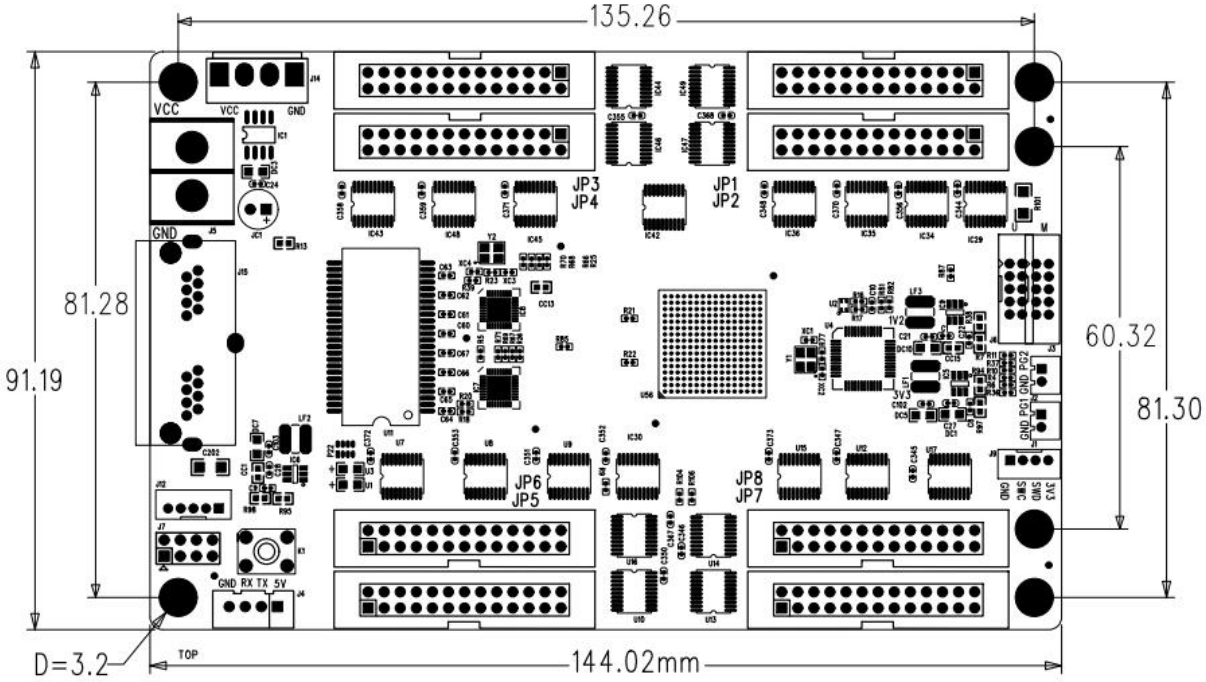
JP1-JP8 Pin Definition

Definition	Pin	pin	Illustration
R	1	2	G
B	3	4	GND
R	5	6	G
B	7	8	GND
R	9	10	G
B	11	12	GND
R	13	14	G
B	15	16	GND
OUT_A1 17	18	18	OUT_LA1
OUT_C1 19	20	20	OUT_D1
OUT_E1 21	22	22	GND
OUT_CLK1	23	24	OUT_LA1
OUT_OE1	25	26	GND

Indicator Illustration:

Indicator	*Position*	*Status*	*Illustration*
Status Indicator (Green)	*U3*	*Flickering Slowly at a constant speed*	*The receiving card is working properly, The Ethernet Cable Connection is fine, No DVI Signal Input*
		Flickering Fast at a constant speed	*The receiving card is working properly, The Ethernet Cable Connection is fine, with DVI Signal Input*
		It goes out	*No Gigabit Ethernet Signal*
		Fast Flickering 3 Tunes	*The receiving card is working properly, The Ethernet Cable Loop Connection is fine, DVI Signal Input*
Status Indicator (Red)	*U4*	*Long Lasting On*	*Power is On*

Dimensions:


135.26
91.19
81.28
60.32
81.30
D=3.2
TOP
144.02mm
VCC
GND
JP1
JP2
JP3
JP4
JP5
JP6
JP7
JP8

Product Parameters:

Electric Parameters	*Input Voltage*	*DC3.5-5.5V*
	Rated Current	*0.6A*
	Rated Power	*3W*
Operating Environment	*Operating Temperature*	*-20℃ - 70℃*
	Operating Humidity	*10%RH-90%RH*
Storage Environment	*Temperature*	*-25℃～125℃*
Dimensions	144.02mmX91.19mm	
Net Weight	*110g*	
Certifications	*It conforms to RoHS and CE-EMC standards.*	

Attentions:

1. *The testing (debugging) and installation should be done by the qualified professionals*
2. *Anti-Static, Water-Proof and Dust-Proof Required*