

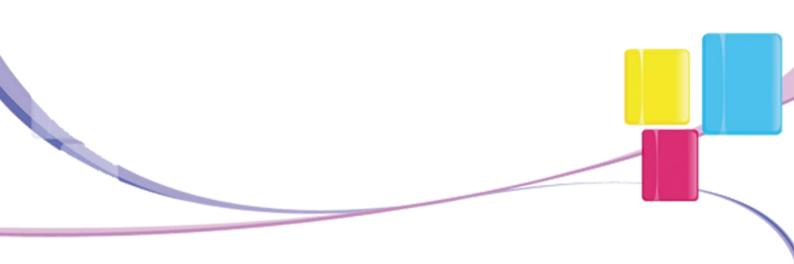


L4S Pro

Receiving card

User Manual

Document version: V2.0





CONTENT

1 Update Records	1
2 Product Introduction	1
3 Product Characteristics	1
3.1 Improve the display effect	1
3.2 Improve Maintainability	2
4 Product Appearance	4
4.1 Data Interface Description	4
4.2 Product Dimensions	5
4.3 Definition of Output Interface	6
5 product parameters	16
5.1 Basic parameters	16
5.2 Specification Parameters	16
6 Precautions	17



1 Update Records

Document version	Hardware version	Release time	Update record
V4.0	L4S Pro (V3.1)	June 19(th), 2025	First release

2 Product Introduction

L4S Pro is a small sized receiving card that fully researched and developed by Mooncell, and the maximum on-load resolution of a single card is 512×512@60Hz(PWM).

Support 18-bit, pixel-by-pixel chromaticity correction, low delay, RGB independent Gamma adjustment, 90 multiple rotation of the screen, serial number detection of the receiving card, configuration parameter readback and other functions to improve the screen display effect and user experience;

120PIN high-precision connector interface is used for communication, which is dustproof and shockproof, with high stability and supports 32 sets of RGB parallel data at most; The hardware is designed with MCU, which enhances product application flexibility, supports dual-card backup work, enhances stability and reliability, and has strong LED driver chip compatibility capabilities, making it suitable for the construction of a variety of field environments.

3 Product Characteristics

3.1 Improve the display effect

• 18bit

Enabling 18bit in the software can increase the gray scale of LED display screen by 4 times, effectively deal with the gray scale loss caused by brightness reduction of LED display screen, optimize the pitting problem caused by low gray, make the low gray transition natural, and make the image display more delicate.



Brightness correction by pixels

With the correction software, the brightness and chromaticity of each pixels of the large screen are corrected, which effectively eliminates the color difference, makes the brightness and chromaticity of the display screen highly consistent, and improves the image quality of the display screen.

Low delay

Reduce the delay of the video source at the receiving card end, and the delay is as low as 1 frame (for the lamp board of the driving IC using built-in RAM).

• 3D

The 3D picture effect needs to be viewed with 3D glasses, and the format of the 3D signal is transmitted to the 3D glasses by connecting the 3D signal transceiver.

RGB independent Gamma adjustment

With the independent master control and software supporting RGB independent Gamma adjustment, the problems such as uneven low gray and white balance drift of the display screen are effectively controlled by adjusting "red", "green" and "blue" respectively, making the picture more realistic.

• 90 multiple rotation of the picture.

With the help of AutoLED software, the picture is displayed in multiples of 90 (0, 90, 180, 270).

Picture scaling

With the help of AutoLED software, the pixels loaded on the receiving card can be scaled multiple times, and the display screen can be enlarged and reduced.

Interrupt communication display setting

Set the receiving card interrupt communication display status (black screen, standby picture, last frame).

3.2 Improve Maintainability

Receiving card serial number detection

With the network port debugging function in AutoLED software, the receiving card number and network port information will be displayed on the target box, and the user can know the position serial number and connection line of the receiving card.



Data interface customization

With AutoLED software, the output data of the receiving card can be detected and edited.

Complex structure box

In the advanced layout of AutoLED software, boxes can be arranged and constructed at will quickly.

Construct complex large screen

In the complex display screen connection of AutoLED software, boxes can be arranged and constructed at will quickly.

Communication monitoring

Monitor the working state of receiving card in real time on AutoLED.

Error detection

On the AutoLED, the communication signal quality of the network cable connected with the system hardware can be monitored in real time, so as to quickly judge the quality of the network cable and troubleshoot.

Configuration parameter readback

The configuration parameters of the current receiving card can be read back on the AutoLED. Read back the configuration parameters of the receiving card and save them locally.

Loop backup

The network port is connected through the loop of the main and standby network cables to increase the reliability of the serial connection of the receiving cards. When one of the main and standby series lines fails, the other one can ensure the normal display of the screen.

Dual power supply backup

Detect the power status and feed back the software.

FPGA dual program startup

When the FPGA main program configuration is unsuccessful, it enters the standby BOOT program to work and realize normal communication.

online update

Support software to upgrade the firmware of the receiving card online.



4 Product Appearance



Front Side Back Side

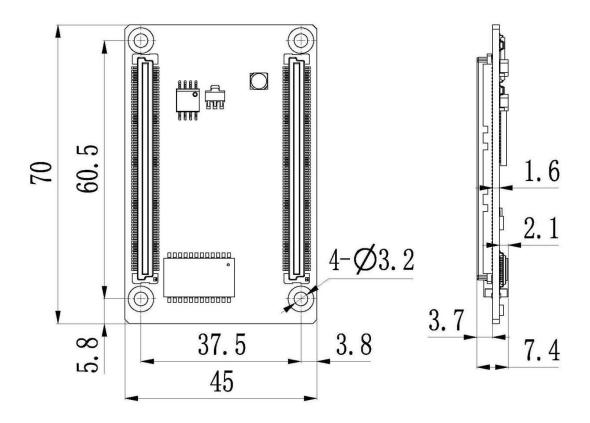
4.1 Data Interface Description

#	Interface name	Interface description					
		Uniform slow flash	The receiving card works normally, the network cable				
			is connected normally, and no DVI signal is input.				
		Uniform flash	The receiving card works normally, the network cable				
1	Status indicator U6		is connected normally, and there is DVI signal input.				
		Constant extinction	No gigabit network signal				
		Flash 3 times at	The receiving card works normally, the network cable				
		intervals	loop is connected, and there is DVI signal input.				
1	Power indicator U5	The red light is always on, which means the power supply is normal.					
2	Communication	High density plug-in interface					
	Interface						

^{*} Product photos are for reference only, please refer to the products actually purchased.



4.2 Product Dimensions

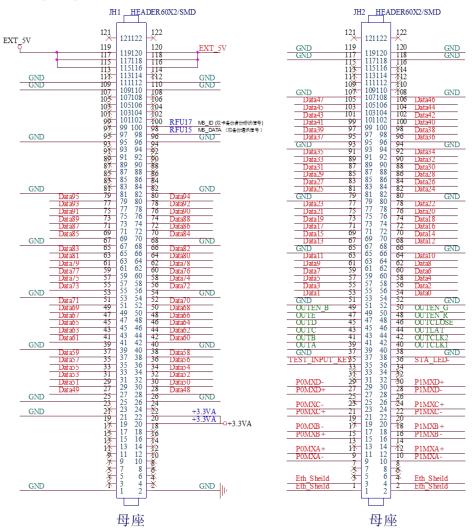


Tolerance: 0.3 Unit: mm



4.3 Definition of Output Interface

32 groups of parallel data interface definitions



JH1 data interface definition

Illustration	Definition	Pin	Pin	Definition	Illustration
	GND	1	2	GND	
/	NC	9	10	NC	
/	NC	11	12	NC	
/	NC	13	14	NC	
/	NC	15	16	NC	
/	NC	17	18	NC	
/	NC	19	20	3.3V_LED	3.3V auxiliary output



GND	21	22		
NC	23	24	NC	
GND	25	26	GND	
G17	27	28	R17	
R18	29	30	B17	
B18	31	32	G18	
G19	33	34	R19	
R20	35	36	B19	
B20	37	38	G20	
GND	39	40	GND	
G21	41	42	R21	
R22	43	44	B21	
B22	45	46	G22	
G23	47	48	R23	
R24	49	50	B23	
B24	51	52	G24	
GND	53	54	GND	
G25	55	56	R25	
R26	57	58	B25	
B26	59	60	G26	
G27	61	62	R27	
R28	63	64	B27	
B28	65	66	G28	
GND	67	68	GND	
G29	69	70	R29	
R30	71	72	B29	
B30	73	74	G30	
G31	75	76	R31	





	R32	77	78	B31	
	B32	79	80	G32	
	GND	81	82	GND	
	NC	83	84	NC	
,	NC	85	86	NC	,
/	NC	87	88	NC	/
	NC	89	90	NC	
/	NC	91	92	NC	/
/	NC	93	94	NC	/
	GND	95	96	GND	
,	NC	07	00	DELLIC	Dual backup communication
/		97	98	RFU15	signal
/	NC	99	100	RFU17	Dual SIM backup ID signal
	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	
	VCC	117	118	VCC	
	VCC	119	120	VCC	
	NC	121	122	NC	
	GND	1	2	GND	
/	NC	9	10	NC	
/	NC	11	12	NC	



JH2 data interface definition

Illustration	Definition	Pin	Pin	Definition	Illustration
	NC	1	2	NC	
	NC	3	4	NC	
	NC	5	6	NC	
	NC	7	8	NC	
	P0 MXA+	9	10	P1 MXA+	
	P0 MXA-	11	12	P1 MXA-	
	NC	13	14	NC	
	P0 MXB+	15	16	P1 MXB+	
	P0 MXB-	17	18	P1 MXB-	
Gigabit network port	NC	19	20	NC	Gigabit network port
	P0 MXC+	21	22	P1 MXC+	
	P0 MXC-	23	24	P1 MXC-	
	NC	25	26	NC	
	P0 MXD+	27	28	P1 MXD+	
	P0 MXD-	29	30	P1 MXD-	
	NC	31	32	NC	
	NC	33	34	NC	
Test key	TEST_INPUT_ KEY	35	36	STA_LED-	Running indicator (active low)
	GND 37 38 GND		GND		
Line decoded signal	A	39	40	CLK1	First shift clock output
Line decoded signal	В	41	42	CLK2	Second shift clock output
Line decoded signal	С	43	44	LAT	Latch signal output
Line decoded signal	D	45	46	CLOSE	Blanking control signal
Line decoded signal	Е	47	48	EN_R	Display enabled (OE_R is



				2.51101	ceceiving card oser ividing
Display enabled (OE_R is used when OE_R, G and B are not controlled separately).	EN_B	49	50	EN_G	used when OE_R, G and B are not controlled separately).
	GND	51	52	GND	
	G1	53	54	R1	
	R2	55	56	B1	
	B2	57	58	G2	
	G3	59	60	R3	
	R4	61	62	В3	
	B4	63	64	G4	
	GND	65	66	GND	
	G5	67	68	R5	
	R6	69	70	В5	
	В6	71	72	G6	
	G7	73	74	R7	
	R8	75	76	В7	
	В8	77	78	G8	
	GND	79	80	GND	
	G9	81	82	R9	
	R10	83	84	В9	
	B10	85	86	G10	
	G11	87	88	R11	
	R12	89	90	B11	
	B12	91	92	G12	
	GND	93	94	GND	
	G13	95	96	R13	
	R14	97	98	B13	
	B14	99	100	G14	

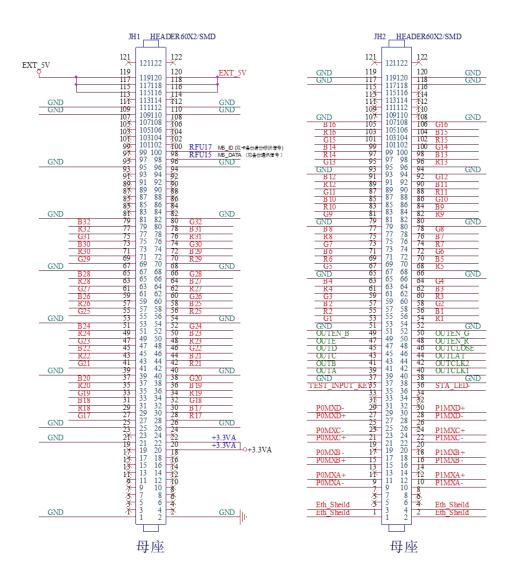


L4S Pro Receiving Card User Manual

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	
NC	121	122	NC	



96 groups of serial data interfaces



JH1 definition:

Illustration	Definition	Pin	Pin	Definition	Illustration
	GND	1	2	GND	
/	NC	9	10	NC	
/	NC	11	12	NC	
/	NC	13	14	NC	
/	NC	15	16	NC	
1	NC	17	18	NC	
/	NC	19	20	2.27/ LED	2.237.0
	GND	21	22	3.3V_LED	3.3V Output
	NC	23	24	NC	



GND						245 1 to Receiving Cara Oser Mana
Data51 29 30 Data50 Data53 31 32 Data52 Data57 35 36 Data58 Data59 37 38 Data58 GND 39 40 GND Data61 41 42 Data60 Data63 43 44 Data62 Data65 45 46 Data64 Data66 45 46 Data66 Data67 47 48 Data66 Data69 49 50 Data68 Data71 51 52 Data70 GND 53 54 GND Data73 55 56 Data72 Data73 55 56 Data74 Data77 59 60 Data78 Data81 63 64 Data80 Data81 63 64 Data80 Data83 65 66 Data82 GND 67 68 GND Data85 69 70 Data84 Data87 71 72 Data86 Data99 73 74 Data89 Data93 77 78 Data90 Data93 77 78 Data90 Data93 77 78 Data90 Data94 GND SNC NC 87 88 NC NC 87 88 NC NC 97 98 RFU15 Dual SM backup ID signal NC 97 98 RFU15 Dual SIM backup ID signal NC 103 104 NC NC 103 104 NC NC 105 106 NC		GND	25	26	GND	
Data53 31 32 Data52 Data55 33 34 Data54 Data57 35 36 Data56 Data59 37 38 Data58 GND 39 40 GND Data61 41 42 Data60 Data63 43 44 Data62 Data66 45 46 Data64 Data67 47 48 Data66 Data69 49 50 Data68 Data71 51 52 Data70 GND 53 54 GND Data73 55 56 Data72 Data75 57 58 Data74 Data77 59 60 Data74 Data81 63 64 Data80 Data83 65 66 Data82 GND Data83 65 66 Data82 GND Data85 69 70 Data84 Data87 71 72 Data86 Data91 75 76 Data90 Data93 77 78 Data90 Data93 77 78 Data90 Data95 79 80 Data94 GND 81 82 GND NC 83 84 NC NC 85 86 NC NC 87 88 NC NC 89 90 NC NC 91 92 NC NC 93 94 NC GND 95 96 GND NC 97 98 RFU15 Dual SIM backup ID signal NC 90 100 RFU17 Dual SIM backup ID signal NC 105 106 NC NC 105 106 NC		Data49	27	28	Data48	
Data55 33 34 Data54 Data57 35 36 Data56 Data59 37 38 Data58 GND 39 40 GND Data61 41 42 Data60 Data63 43 44 Data62 Data65 45 46 Data64 Data67 47 48 Data66 Data69 49 50 Data68 Data71 51 52 Data70 GND 53 54 GND Data73 55 56 Data72 Data75 57 58 Data74 Data77 59 60 Data76 Data81 63 64 Data80 Data83 65 66 Data82 GND Data83 65 66 Data82 GND Data85 69 70 Data84 Data89 73 74 Data88 Data91 75 76 Data90 Data93 77 78 Data90 Data93 77 78 Data90 Data95 79 80 Data94 GND 81 82 GND NC 83 84 NC NC 87 88 NC NC 87 88 NC NC 89 90 NC NC 91 92 NC NC 91 92 NC NC 97 98 RFU15 Dual SIM backup ID signal NC 97 98 RFU15 Dual SIM backup ID signal NC 105 106 NC NC 105 106 NC		Data51	29	30	Data50	
Data57 35 36 Data56 Data59 37 38 Data58 GND 39 40 GND Data61 41 42 Data60 Data63 43 44 Data62 Data65 45 46 Data64 Data67 47 48 Data66 Data69 49 50 Data68 Data71 51 52 Data70 GND 53 54 GND Data73 55 56 Data74 Data77 59 60 Data76 Data79 61 62 Data78 Data81 63 64 Data82 GND Data83 65 66 Data82 GND Data84 Data85 69 70 Data84 Data87 71 72 Data86 Data93 77 78 Data92 Data93 77 78 Data94 GND Ata93 77 78 Data94 GND S1 S2 GND Data93 77 78 Data94 GND S1 S2 GND Data93 77 78 Data94 GND S1 S2 GND NC S1 S8 NC NC S2 S6 GND NC S3 S4 NC NC S1 S8 NC NC S2 S6 GND NC S3 S4 NC NC S4 S8 NC NC S5 S6 GND NC S5 S6 GND NC S7 S8 NC NC S1 S8 NC NC S2 S6 GND NC S4 S6 GND NC S7 S8 NC NC S5 S6 GND NC S6 S6 GND NC S7 S8 NC NC S1 S6 GND NC S6 S6 GND NC S7 S8 NC NC S1 S6 GND NC S5 S6 GND NC S5 S6 GND NC S6 S6 GND NC S7 S8 NC NC S6 S6 GND NC S7 S8 NC NC S7 S8 NC NC S7 S8 NC NC S1 S1 S1 S1 S1 S1 NC S6 S6 GND NC S7 S8 NC NC S1 S1 S1 S1 S1 S1 NC S6 S6 GND NC S7 S8		Data53	31	32	Data52	
Data59 37 38 Data58 GND 39 40 GND Data61 41 42 Data60 Data63 43 44 Data62 Data65 45 46 Data64 Data67 47 48 Data66 Data69 49 50 Data68 Data71 51 52 Data70 GND 53 54 GND Data73 55 56 Data72 Data75 57 58 Data74 Data77 59 60 Data76 Data79 61 62 Data78 Data81 63 64 Data80 Data83 65 66 Data82 GND 67 68 GND Data85 69 70 Data84 Data87 71 72 Data86 Data89 73 74 Data88 Data91 75 76 Data90 Data93 77 78 Data92 Data93 77 88 NC NC 87 88 NC NC 87 88 NC NC 93 94 NC GND 95 96 GND NC 97 98 RFU15 Dual Sim backup ID signal NC 101 102 NC NC 103 104 NC NC 105 106 NC		Data55	33	34	Data54	
GND 39 40 GND		Data57	35	36	Data56	
Data61		Data59	37	38	Data58	
Data63		GND	39	40	GND	
Data65		Data61	41	42	Data60	
Data67		Data63	43	44	Data62	
Data69		Data65	45	46	Data64	
Data71 51 52 Data70		Data67	47	48	Data66	
GND		Data69	49	50	Data68	
Data73 55 56 Data72		Data71	51	52	Data70	
Data75 57 58 Data74 Data77 59 60 Data76 Data79 61 62 Data78 Data81 63 64 Data80 Data83 65 66 Data82 GND 67 68 GND Data85 69 70 Data84 Data87 71 72 Data86 Data91 75 76 Data90 Data93 77 78 Data92 Data95 79 80 Data94 GND 81 82 GND NC 83 84 NC NC 87 88 NC NC 87 88 NC NC 91 92 NC NC 93 94 NC GND 95 96 GND NC 97 98 RFU15 Dual backup communication signal NC 101 102 NC NC 103 104 NC NC 105 106 NC		GND	53	54	GND	
Data77 59 60 Data76 Data79 61 62 Data78 Data81 63 64 Data80 Data83 65 66 Data82 GND 67 68 GND Data85 69 70 Data84 Data87 71 72 Data86 Data91 75 76 Data90 Data93 77 78 Data92 Data95 79 80 Data94 GND 81 82 GND NC 83 84 NC NC 85 86 NC NC 87 88 NC NC 91 92 NC NC 93 94 NC GND 95 96 GND NC 97 98 RFU15 Dual backup communication signal NC 101 102 NC NC 103 104 NC NC 105 106 NC		Data73	55	56	Data72	
Data79 61 62 Data78 Data81 63 64 Data80 Data83 65 66 Data82 GND 67 68 GND Data85 69 70 Data84 Data87 71 72 Data86 Data89 73 74 Data88 Data91 75 76 Data90 Data93 77 78 Data92 Data95 79 80 Data94 GND 81 82 GND NC 83 84 NC NC 85 86 NC NC 87 88 NC NC 89 90 NC NC 91 92 NC NC 93 94 NC GND 95 96 GND NC 97 98 RFU15 Dual backup communication signal NC 101 102 NC NC 103 104 NC NC 105 106 NC		Data75	57	58	Data74	
Data81		Data77	59	60	Data76	
Data83 65 66 Data82		Data79	61	62	Data78	
GND 67 68 GND Data85 69 70 Data84 Data87 71 72 Data86 Data89 73 74 Data88 Data91 75 76 Data90 Data93 77 78 Data92 Data95 79 80 Data94 GND 81 82 GND NC 83 84 NC NC 85 86 NC NC 87 88 NC NC 89 90 NC NC 91 92 NC NC 93 94 NC GND 95 96 GND NC 97 98 RFU15 Dual backup communication signal NC 99 100 RFU17 Dual SIM backup ID signal NC 101 102 NC NC 103 104 NC NC 105 106 NC		Data81	63	64	Data80	
Data85 69 70 Data84 Data87 71 72 Data86 Data89 73 74 Data88 Data91 75 76 Data90 Data93 77 78 Data92 Data95 79 80 Data94 GND 81 82 GND NC 83 84 NC NC 85 86 NC NC 87 88 NC NC 89 90 NC NC 91 92 NC NC 93 94 NC GND 95 96 GND NC 97 98 RFU15 Dual backup communication signal NC 99 100 RFU17 Dual SIM backup ID signal NC 101 102 NC NC 103 104 NC NC 105 106 NC		Data83	65	66	Data82	
Data87		GND	67	68	GND	
Data89		Data85	69	70	Data84	
Data91		Data87	71	72	Data86	
Data93		Data89	73	74	Data88	
Data95		Data91	75	76	Data90	
GND		Data93	77	78	Data92	
NC		Data95	79	80	Data94	
NC		GND	81	82	GND	
NC		NC	83	84	NC	
NC		NC	85	86	NC	
NC 89 90 NC NC NC 91 92 NC NC 93 94 NC NC 95 96 GND NC 97 98 RFU15 Dual backup communication signal NC 99 100 RFU17 Dual SIM backup ID signal NC 101 102 NC NC NC 103 104 NC NC NC 105 106 NC NC NC NC NC NC NC N	,	NC	87	88	NC	,
NC 93 94 NC	/	NC	89	90	NC	/
GND 95 96 GND NC 97 98 RFU15 Dual backup communication signal NC 99 100 RFU17 Dual SIM backup ID signal NC 101 102 NC NC NC 103 104 NC NC NC 105 106 NC		NC	91	92	NC	
NC 97 98 RFU15 Dual backup communication signal NC 99 100 RFU17 Dual SIM backup ID signal NC 101 102 NC NC NC 103 104 NC NC NC 105 106 NC		NC	93	94	NC	
NC 99 100 RFU17 Dual SIM backup ID signal NC 101 102 NC NC 103 104 NC NC 105 106 NC		GND	95	96	GND	
NC 101 102 NC NC 103 104 NC NC 105 106 NC		NC	97	98	RFU15	Dual backup communication signal
NC 103 104 NC NC 105 106 NC	/	NC	99	100	RFU17	Dual SIM backup ID signal
NC 105 106 NC		NC	101	102	NC	
		NC	103	104	NC	
NC 107 108 NC		NC	105	106	NC	
		NC	107	108	NC	



	GND	109	110	GND	
	GND	111	112	GND	
	NC	113	114	NC	
Input power VCC	VCC	115	116	VCC	In not a cover VCC accommonded
recommended 3.3V~	VCC	117	118	VCC	Input power VCC recommended
5.5V	VCC	119	120	VCC	3.3V~ 5.5V

JH2 definition:

Illustration	Definition	Pin	Pin	Definition	Illustration
enclosure grounding	Eth_Sheid	1	2	Eth_Sheild	enclosure grounding
enclosure grounding	Eth_Sheid	3	4	Eth_Sheild	enclosure grounding
	NC	5	6	NC	
	NC	7	8	NC	
	P0 MXA-	9	10	P1 MXA-	-
	P0 MXA+	11	12	P1 MXA+	
	NC	13	14	NC	
	P0 MXB+	15	16	P1 MXB+	
	P0 MXB-	17	18	Port2_B-	_
Gigabit Ethernet port	NC	19	20	NC	Gigabit Ethernet port
	P0 MXC+	21	22	P1 MXC-	
	P0 MXC-	23	24	P1 MXC+	
	NC	25	26	NC	_
	P0 MXD+	27	28	P1 MXD+	
	P0 MXD-	29	30	P1 MXD-	
	NC	31	32	NC	
	NC	33	34	NC	
test byttes	TEST_INPUT_	25	35 36	STA_LED-	Operating indicator
test button	KEY	35			(active at low level)
	GND	37	38	GND	
Line decoded signal	A	39	40	CLK_1	First shift clock output
Line deceded signal	В	41	42	CLK_2	Second Shift Clock
Line decoded signal					Output
Line decoded signal	С	43	44	LAT	latch signal output
Line decoded signal	D	45	46	CTRL	blanking control signal
Line decoded signal	Е	47	48	OE_R	Dignlay anabla (OF D
Display enable (OE_R,		49	50		Display enable (OE_R, G, B are not separated,
G, B are not separated,	OE B			OE_G	when controlling, use
when controlling, use	OL_B		50		OE R)
OE_R)					OL_K)
	GND	51	52	GND	





			B 15 1 10 1000	THIS CUITE COUTTITUE
Data1	53	54	Data0	
Data3	55	56	Data2	
Data5	57	58	Data4	
Data7	59	60	Data6	
Data9	61	62	Data8	
Data11	63	64	Data10	
GND	65	66	GND	
Data13	67	68	Data12	
Data15	69	70	Data14	
Data17	71	72	Data16	
Data19	73	74	Data18	
Data21	75	76	Data20	
Data23	77	78	Data22	
GND	79	80	GND	
Data25	81	82	Data24	
Data27	83	84	Data26	
Data29	85	86	Data28	
Data31	87	88	Data30	
Data33	89	90	Data32	
Data35	91	92	Data34	
GND	93	94	GND	
Data37	95	96	Data36	
Data39	97	98	Data38	
Data41	99	100	Data40	
Data43	101	102	Data42	
Data45	103	104	Data44	
Data47	105	106	Data46	
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	
NC	121	122	NC	



5 product parameters

5.1 Basic parameters

Three-wire	Drive IC	Brightness	Chromaticity	Chroma Correction With	
Parallel		Correction Band	Correction Band	Load (pixels)	
(RGB)		Load (pixel)	Load (pixel)		
32 Group	Conventional	384×512	384×512	256×320	
	PWM	512×512	512×512	256×320	
Number of cascaded cards			Support scanning lines		
≤1000PCS			1-128 sweep		

5.2 Specification Parameters

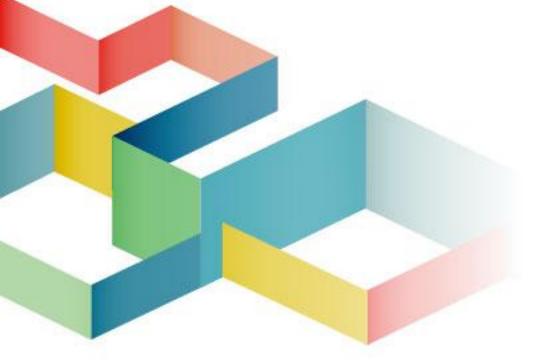
	Input voltage	DC3.5~5.5V	
Electrical parameters	Rated current	0.6A	
	Rated power	3W	
Working environment	Working temperature	-20°C~70°C	
	Working humidity	10%RH~90%RH has no condensation.	
Storage environment	Temperature	-40°C~85°C	
Board size	70mm×45mm		
Net weight	18.6g Description: Weight of single card		
Outer packing size	490×340×120mm		
Gross weight of product	3.01Kg Description: Including wire, accessories		
Packing mode	100PCS /box		
Certificate Information	Comply with RoHS standards and CE-EMC standards.		

^{*} Current and power consumption may vary according to different factors such as product usage, environment and settings.



6 Precautions

- The installation process must be completed by professionals.
- Must be antistatic.
- Please pay attention to waterproof and dust removal.



National after-sales service hotline: 400-881-3531

Official website: www.mooncell.com.cn.

Address: Mooncell Building, No.3 Industrial Zone, Baoshi South Road,

Shiyan Street, Baoan District, Shenzhen

