A

M1

GND   GND

Pin	Left	Right	Pin
1	GND	GND	40
2	3V3	IO1	39
3	EN	IO2	38
4	IO4	TXD0	37
5	IO5	RXD0	36
6	IO6	IO42	35
7	IO7	IO41	34
8	IO15	IO40	33
9	IO16	IO39	32
10	IO17	IO38	31
11	IO18	IO37	30
12	IO8	IO36	29
13	IO19	IO35	28
14	IO20	IO0	27
15	IO3	IO45	26
16	IO46	IO48	25
17	IO9	IO47	24
18	IO10	IO21	23
19	IO11	IO14	22
20	IO12	IO13	21

ESP32_S3_WROOM_1U_N16R8

R1 10K
3V3
RST
C1 1uF
GND

3V3
BAT_ADC
ROW2
ROW3
ROW4
COL1
COL2
COL3
COL4
ROW5
USB_DM
USB_DP
COL0
NCS
MOSI
SCLK

ROW0
ROW1
U1_TX
U1_RX
COLA
COL9
COL8
COL7
COL6
IO48
RGB
COL5
INT
MISO

R2 10K 3V3
MD
GND

启动引脚：IO_0/3/45/46
带有OSPI RAM的模组中，IO_35/36/37不可用

CTRL

1	
2	USB_DM	5V
3	USB_DP	
4		GND
5	BAT_ADC	
6	U1_TX	
7	U1_RX	
8	IO48	

5V   POW   3V3   3V3
Vin   Vout
GND
C2   C3   C4   C5
10uF   104   104   10uF
GND

U1

3V3
C6   C7   C8
0.1uF 10uF 4.7uF
GND

1	VLD	SEL	8	NCS
2	VDDA	MOT	7	INT
3	VDD	SDA	6	
4	VSS	SCL	5	SCLK

PAT9125EL

MOSI
R3 3.3K
MISO

FPC

24	GND
23	
22	
21	
20	5V
19	
18	RGB
17	ROW0
16	ROW1
15	ROW2
14	ROW3
13	ROW4
12	ROW5
11	COLA
10	COL9
9	COL8
8	COL7
7	COL6
6	COL5
5	COL4
4	COL3
3	COL2
2	COL1
1	COL0

MyKeyboardMini
LiuLizhi
202309

U1

Comment	Description	Designator	Footprint	LibRef	Quantity
1uF	贴片电容 0603	C1	0603	CAP_0603	1
10uF	贴片电容 0603	C2, C5, C7	0603	CAP_0603	3
104	贴片电容 0603	C3, C4	0603	CAP_0603	2
0.1uF	贴片电容 0603	C6	0603	CAP_0603	1
4.7uF	贴片电容 0603	C8	0603	CAP_0603	1
SH1.25mm_8P	SH	CTRL	SH1.25MM_8P	SH1.25mm_8P	1
FPC_0.5_24P	FPC 0.5 24Pin	FPC	FPC_0.5_24PIN	FPC_0.5_24P	1
ESP32_S3_WROOM_1U_N16R8	ESP32 S3模组	M1	ESP32_S3_WROOM_1U	ESP32_S3_WROOM_1U	1
KEY	卧式贴片按键 2*4*3.5mm	MD, RST	KEY_SMT_4_L	KEY_SMT_4_L	2
3V3	线性稳压器	POW	SOT223	LDO_AMS1117	1
10K	电阻 0603	R1, R2	R_0603	RES_0603	2
3.3K	电阻 0603	R3	R_0603	RES_0603	1
PAT9125EL	Optical Tracking Miniature Chip	U1	PAT9125EL	PAT9125EL	1