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Maix Nano Datasheet

v1.0

特性:

- Main module : M1n（K210+3-channal DC-DC+24P Camera connector）
- Download circuit : Connect USB Type-C cable to complete the download
- Buttons : 1 Reset button and 1 user button
- 2.54mm spacing DIP holes：LCD pins and 16 GPIO pins
- Small size

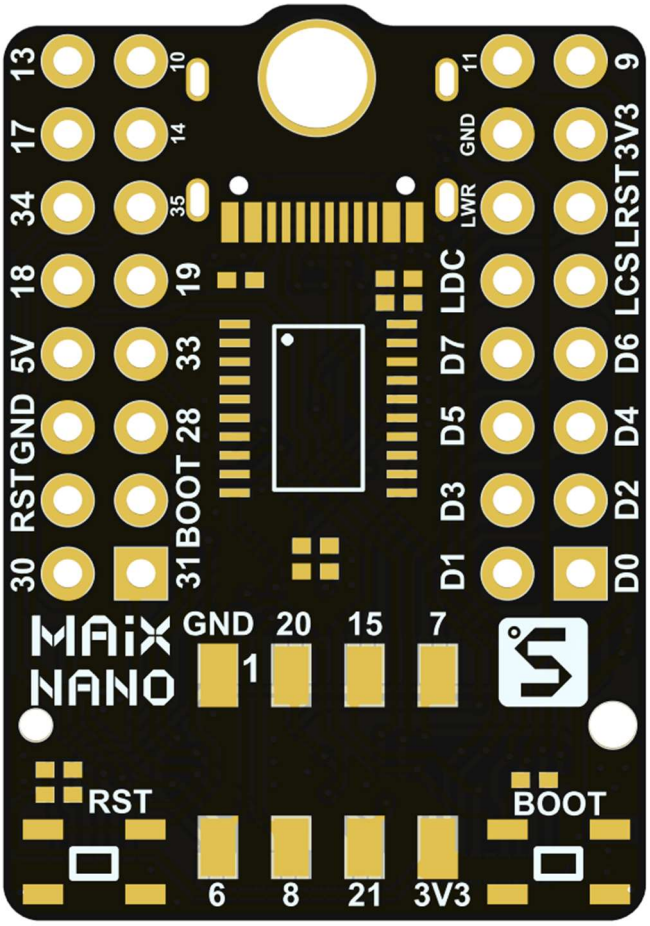
本文档更新记录	
V1.0	2019/11/8 Published original document

功能概述	
M1n module	Main chip：Kendryte K210 FLASH:GD25LQ128（128Mbit） 3-channal DC-DC：RY1303A provide 0.9V,3.3V and 1.8V Camera connector：24P 0.5mm FPC connector
Download circuit	Connect USB Type-C cable to complete the download
2.54mm spacing DIP holes	LCD pins , 16 GPIO pins , and 8P connector
Power supply and download connecotr	USB-typeC connector
IDE	Maixpy IDE
Buttons	1 Reset button and 1 user button

SOFTWARE FEATURES	
FreeRtos & Standard SDK	Support FreeRtos and Standrad development kit
Serial Face recognition Firmware	Support simple serial firmware for Face recognition

HARDWARE FEATURES	
External supply voltage requirement	3.4-5.9V（Recommend 5.0V）
External supply current demand	> 1.5W
Temperature rise	<30K
Range of working temperature	-30℃ ~ 50℃

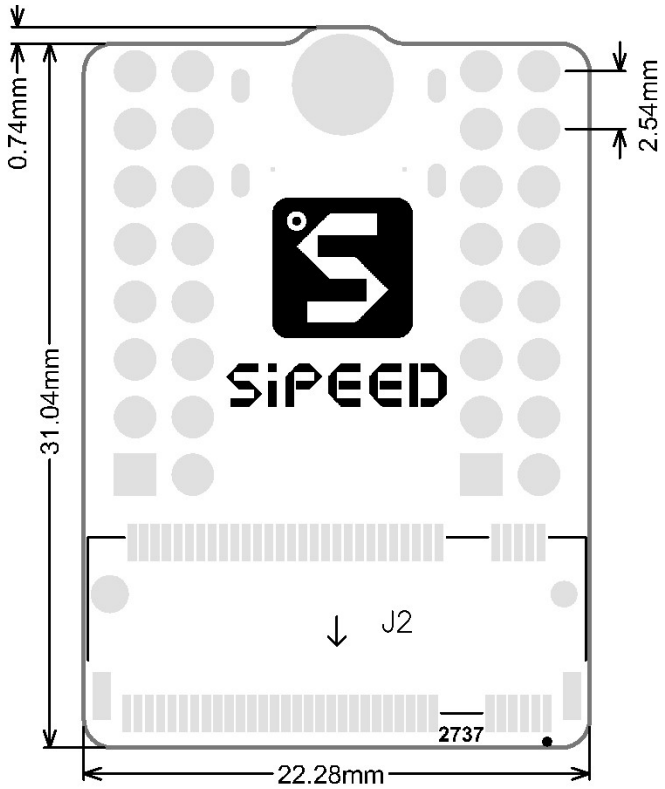
Maix-Nano pin out



Note:

LDC:LCD_DC LCS:LCD_CS LWR:LCD_WR LRST:LCD_RST

Size information (Please download the DXF file in dl.sipeed.com)	
Length	31.7mm
Wide	22.2mm
Thickness	10.0 mm



Matters needing attention	
Boot mode selection	At startup, BOOT pin is used to select one of two boot options: ● Boot from main flash memory (Set BOOT pin 3.3V)(Float or pull up to 3.3V) ● Enter ISP download mode (Set BOOT pin 0V)
RST pin	Vrst range : 0 to 1.8V ; Active low ; Do not let the voltage of RST pin be greater than 1.8V

RESOURCES	
Official Website	www.sipeed.com
Github	https://github.com/sipeed
BBS	http://bbs.sipeed.com
Wiki	maixpy.sipeed.com
Sipeed Model Store	https://maixhub.com/
SDK Reference	dl.sipeed.com/MAIX/SDK
HDK Reference	dl.sipeed.com/MAIX/HDK
Firmware	http://dl.sipeed.com/MAIX/SDK/MF0_SDK_Prebuild
E-mail(Technical Support)	support@sipeed.com
telgram link	https://t.me/sipeed
QQ Group	878189804

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