

Faces Finger

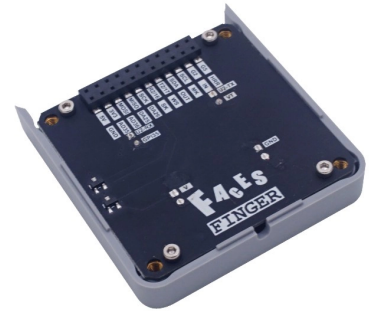
SKU:A066



FPC1020A

Capacitive
Fingerprint Sensor

UART
INTERFACE



Description

Faces Finger is a fingerprint recognition panel compatible with the FACE kit. It integrates the FPC1020A capacitive fingerprint recognition module internally, featuring functions such as multi-fingerprint enrollment, image processing, feature extraction, fingerprint comparison, and search. It supports setting different security levels, providing a stable and reliable mechanism for fingerprint addition, verification, and management for your projects.

Features

- Compatible with FACES kit
- Serial communication: UART2 (16/17)
- Capacitive recognition
- Fingerprint search and comparison

Includes

- 1 x Faces Finger

Applications

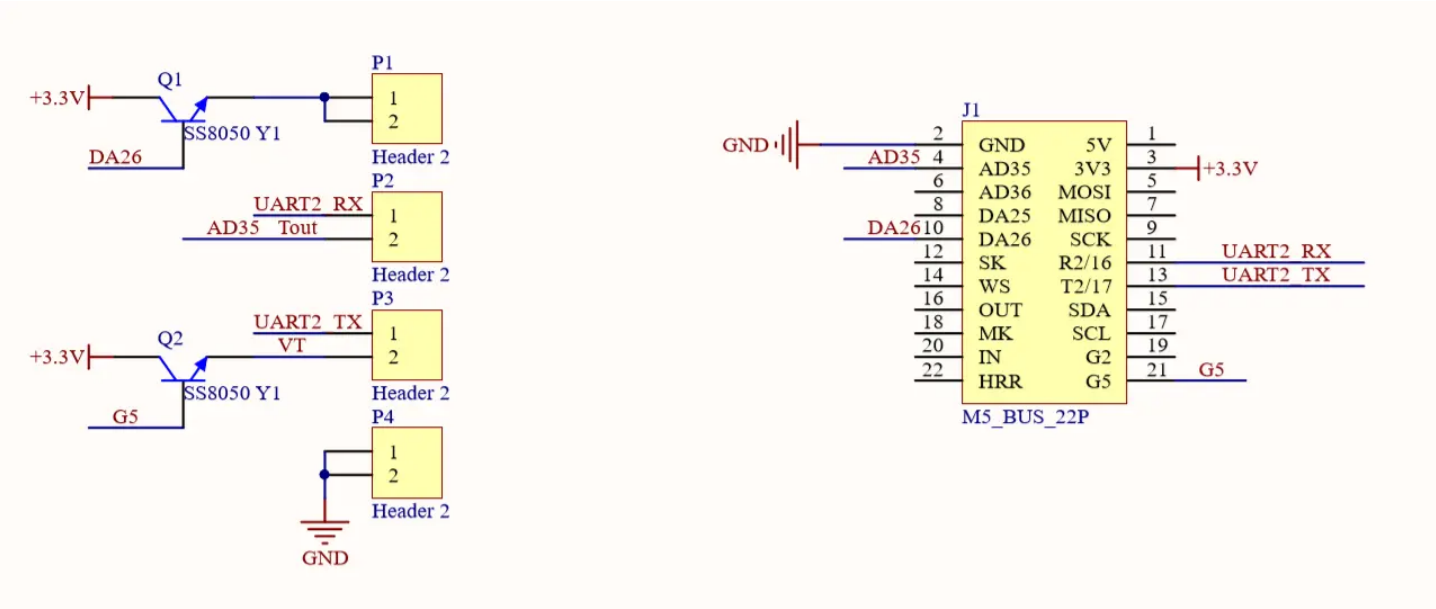
- Fingerprint attendance machine
- Fingerprint locker

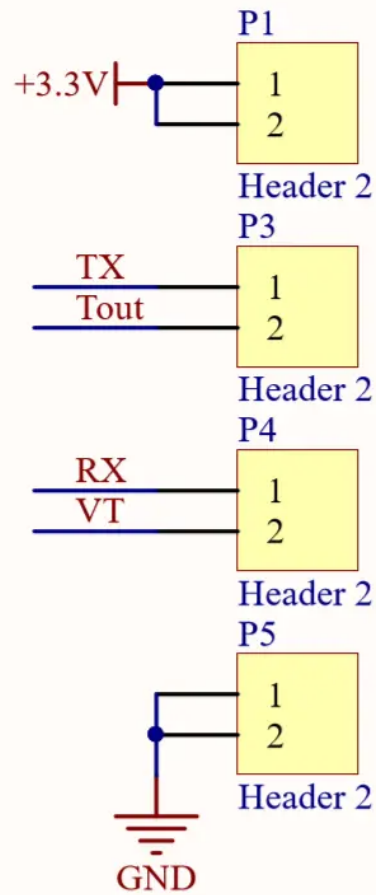
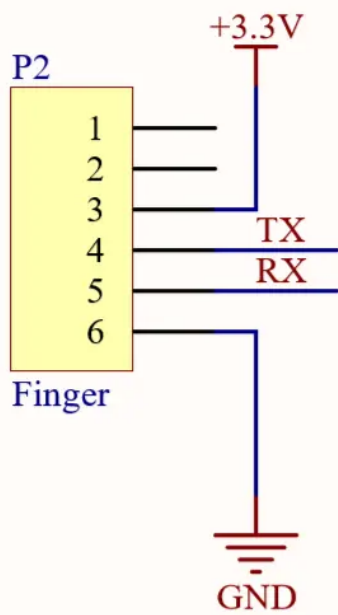
Specifications

Specification	Parameter
Sensor array size	160 x 160 pixels
Pixel resolution	256 grayscale levels (8-bit)
Security level	0-9 levels, default level 5
Resolution	508DPI
Net weight	20g
Gross Weight	43g
Product Size	58.2 x 54.2 x 10mm
Package Size	95 x 65 x 25mm
Material	Plastic (PC)

Schematics

◦ [Faces Finger Schematics PDF](#)





PinMap

Faces Panel Bus

PIN	LEFT	RIGHT	PIN
GND	1	2	
	3	4	3V3
	5	6	
	7	8	
	9	10	
	11	12	
	13	14	
	15	16	SDA
	17	18	SCL
	19	20	
	21	22	INT

Datasheets

- [FPC1020A](#)

| Softwares

Arduino

- [Faces Finger with M5Core](#)

UiFlow1

- [Faces Finger UiFlow1 Docs](#)

Protocol

- [Faces Finger Serial Communication Protocol](#)

Easyloader

Easyloader	Download Link	Remarks
Faces Finger Example Easyloader with M5Core	download	/

| Video

[FACES-Finger.mp4](#)