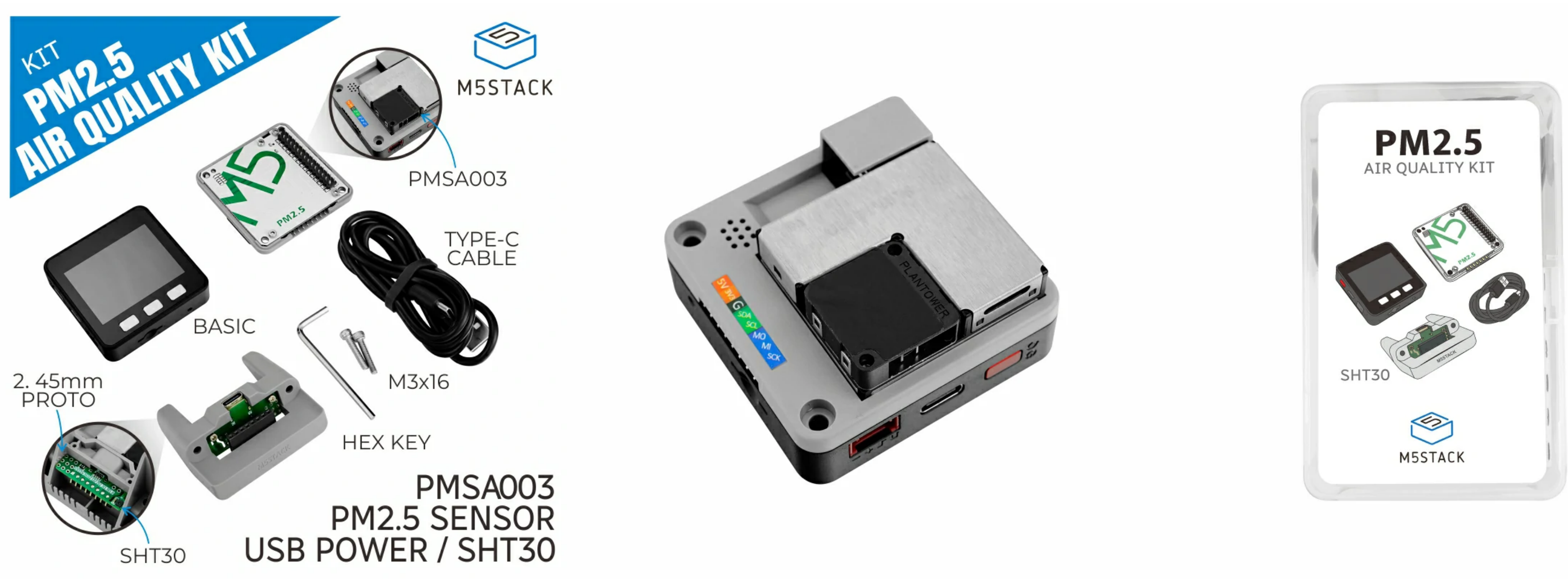


# PM2.5 Air Quality Kit

SKU:K023-B



## Description

PM2.5 Air Quality Kit is a suite of environmental temperature and humidity and air quality testing products. This product is a combination of M5CORE host, SHT30 temperature and humidity sensor and PMSA003 digital universal particulate concentration sensor. It can quickly detect the temperature and humidity data of the current environment, and collect and calculate the number of suspended particles of different particle sizes in the air per unit volume. The simple and reliable design makes it possible to quickly deploy nodes and be used in life or industrial scenarios as environmental data collection, or to provide real-time and accurate concentration data for instrumentation or environmental improvement equipment related to the concentration of suspended particulate matter in the air.

## Features

- DC 5V
- Compatible with M5stack stackable and extension system.
- M5Core pedestal (Pin out SPI/I2C/Power)
- USB Type-c port
- 2.54mm proto

## Includes

- 1x PM2.5 base
- 1x M5Stack Basic
- 1x M5Core pedestal
- 1x Type-c cable
- 2x M3 screw
- 1x SHT30 sensor

# Applications

- Ambient PM2.5 measurement
- Temperature and humidity measurement

# Specification

Resources	Parameters
PM2.5 Sensor	PMSA003
Temperature and humidity Sensor	SHT30
Minimum resolution particle size	0.3μm
Particulate matter mass concentration resolution	1μg/m³
Particulate matter measurement range	0.3-1.0; 1.0-2.5; 2.5-10μm
Supply voltage	5v
Operating temperature	-10~+60
Operating humidity range	0~99%
Product Size	63mm × 52mm × 46mm
Package Size	125mm × 67mm × 23mm
Product Weight	70g
Package Weight	135g



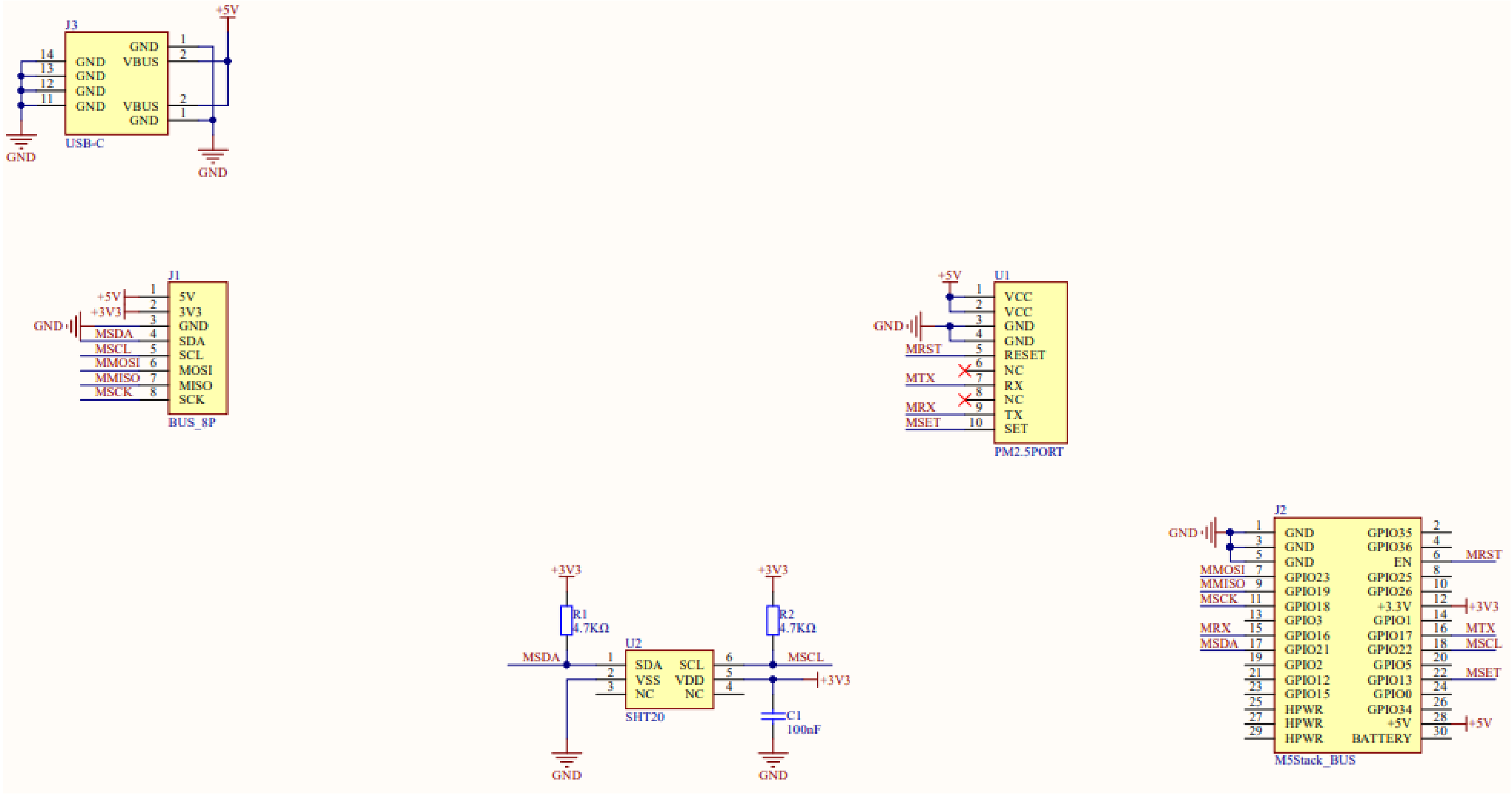




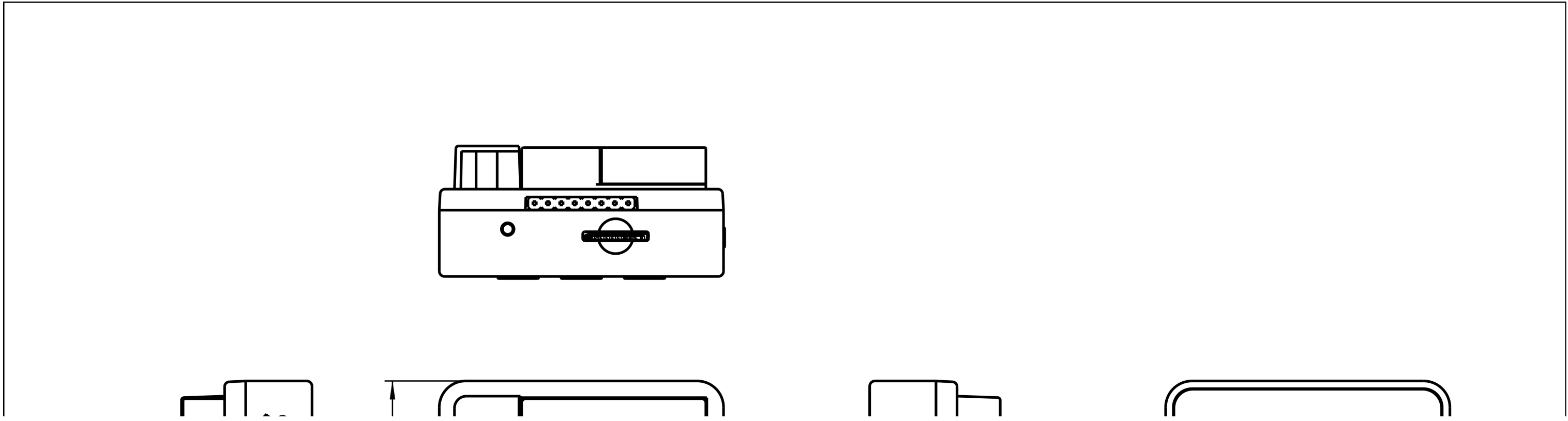
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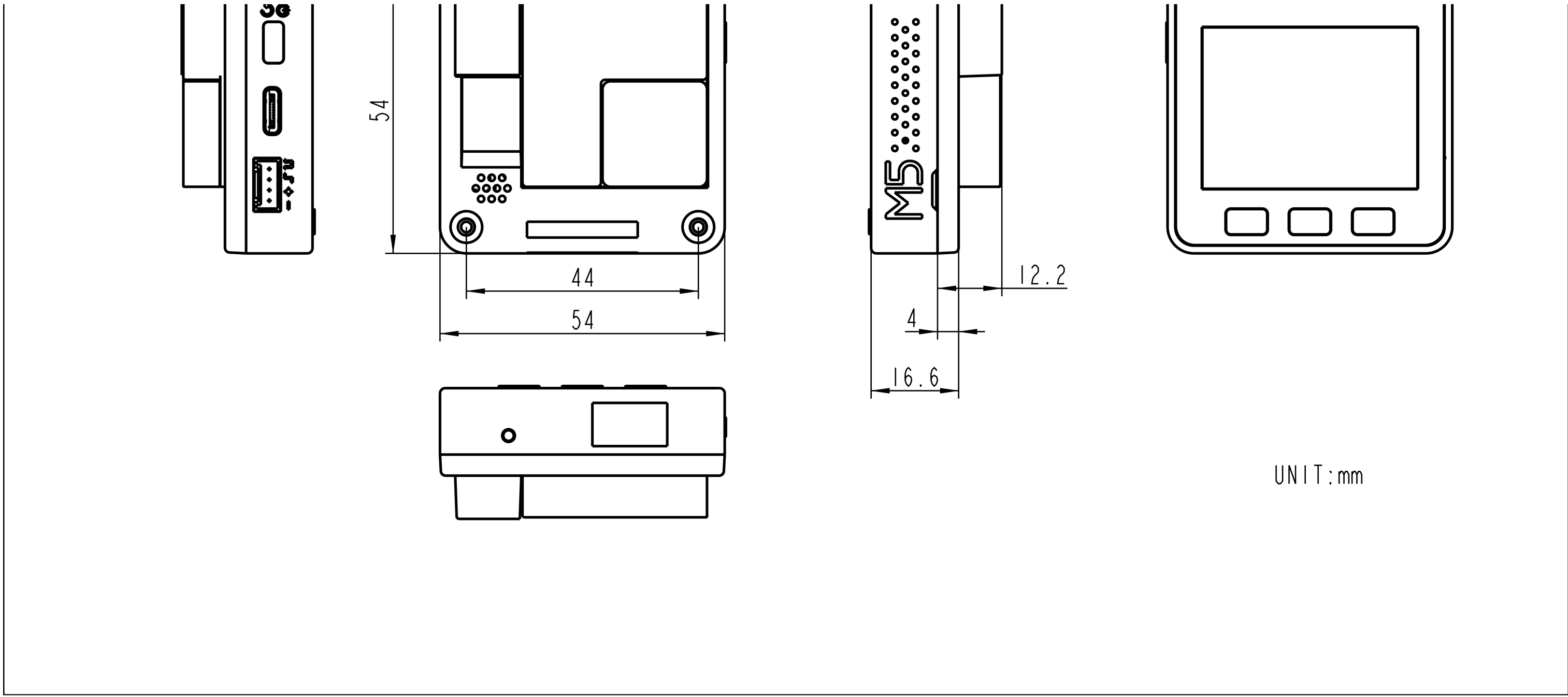
- [PMSA003](#)
- [SHT30](#)
- [Easyloader](#)

## Schematic



## Module Size





## Examples

### Arduino

- [Arduino Example](#)

