Atomic SPK Base 🛒

SKU:A098

Description

Atomic SPK Base is an audio player designed for Atom Lite and AtomS3 Lite. It features the NS4168 power amplifier chip with a built-in I2S digital audio interface. It has automatic sampling rate detection and adaptive functionality to effectively prevent audio signal distortion.

Atomic SPK Base integrates a Micro SD Card slot, making it convenient for storing and accessing audio files. It provides a 3.5mm headphone jack and an external speaker interface, allowing users to play audio through headphones or external speakers.

> **Atomic SPK Base Some IO conflict with ATOM Matrix's built-in hardware, soAtomic SPK Base is only applicable to ATOM LITE/ATOMS3 LITE**

Features

- Power amplifier chip NS4168
- I2S serial digital audio input interface
- Support a wide range of sampling rates: 8kHz~96kHz

- Automatic sampling rate detection, adaptive function
- MicroSD card slot
- Headphone jack
- Speaker interface
- It applies to ATOM series hosts such as ATOM LITE, ATOMS3 LITE

Includes

- 1x Atomic SPK Base
- 1x 1W@8Ω Speaker

Applications

- Audio player
- BT audio
- Wi-Fi speaker

Specification

Resources	Parameters
Power amplifier chip	NS4168
Amplifier output power	1W(VDD=3.3V)
Headphone jack	3.5mm
Speaker interface	1.25mm-2P
Speaker power	1W@8Ω
Product Size	24*48*18mm
Package Size	136* 92*8mm
Product Weight	10.6g
Package Weight	29g
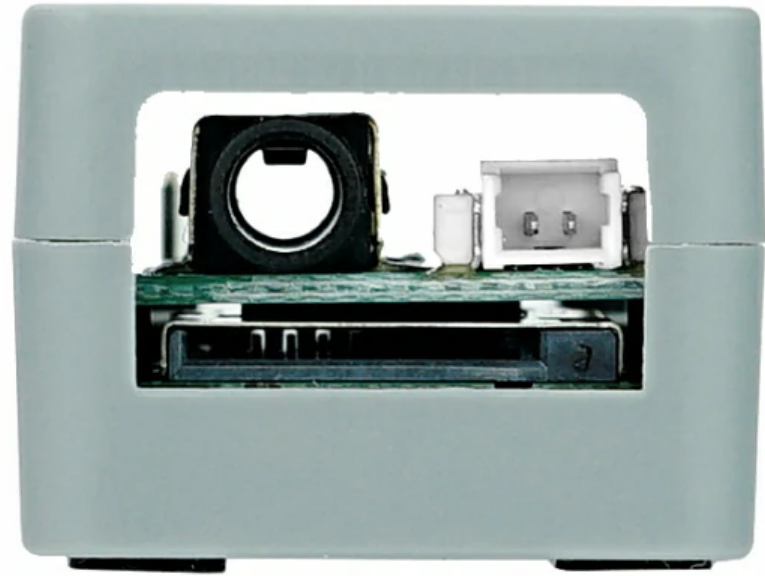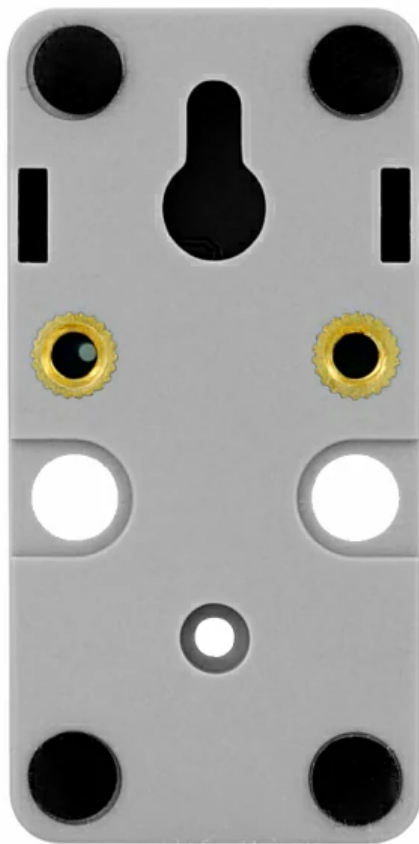
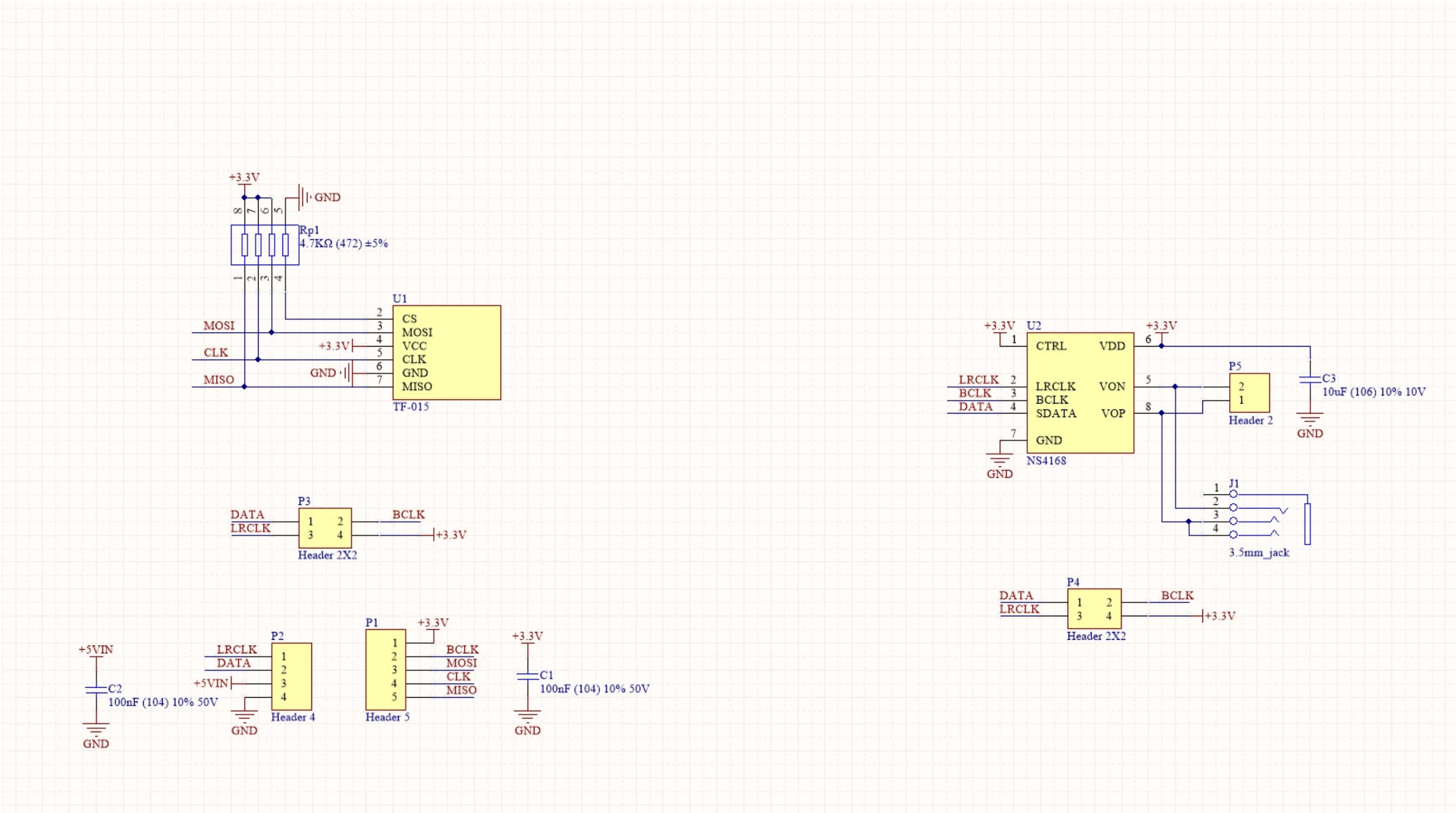## Products related to this item

ATOM Lite (C008)

AtomS3 (C123)

AtomS3 Lite (C124)

TailBat (T001)

Related Link

- NS4168

Schematic

EasyLoader

PinMap

MicroSD Card

Micro SD	SCK	MISO	MOSI
ATOM LITE	G23	G33	G19
ATOMS3 LITE	G7	G8	G6

NS4168

NS4168	BLCK	LRCLK	DATA
ATOM LITE	G22	G21	G25
ATOMS3 LITE	G5	G39	G38

Module Size
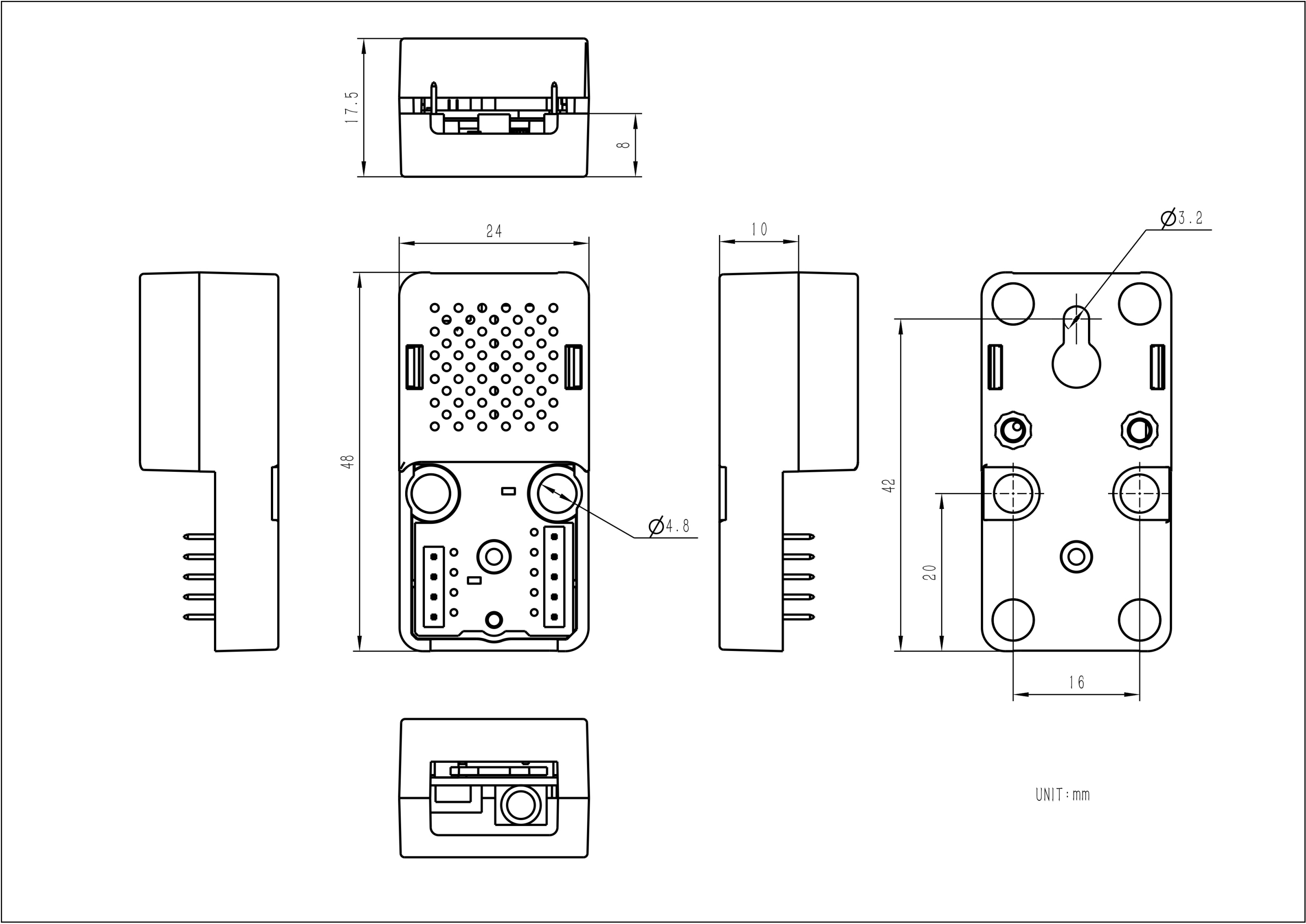
Examples

Arduino

- Atomic SPK Base Play RawPCM

Video

Video

Mouser Electronics

Authorized Distributor

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