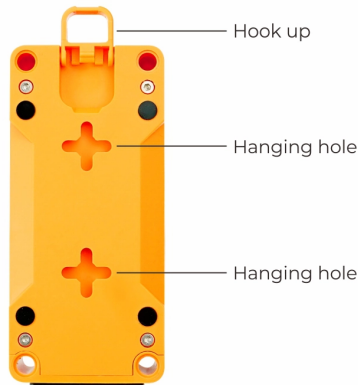
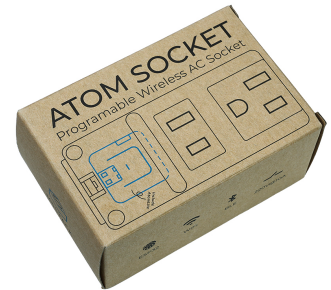


Atom Socket-CN

SKU: K055-CN



Description

Atom Socket-CN is a smart power socket compatible with the ATOM controller. It features the HLW8032 high-precision energy metering IC, which allows reading of electrical parameters (line voltage, current, active power, apparent power, and power factor) via serial communication. The external socket conforms to Chinese standards, and the internal single-channel relay (AC 220V@10A) controls the

power supply. Paired with the ATOM controller integrated with a WIFI module, this power socket can easily connect to the network, enabling remote control and energy metering. Additionally, the socket integrates a HY2.0-4P interface for interaction with external devices (relay signal input, button signal output).

Features

- Single-channel relay control for power supply (AC: 220V@10A)
- HLW8032 high-precision energy metering IC
- Supports voltage and current detection, power calculation, with a dynamic range of 1000:1:
 - Active power measurement error: 0.2%
 - Effective current measurement error: 0.5%
 - Effective voltage measurement error: 0.5%
- UART communication (baud rate: 4800)
- Σ - Δ type ADC, high-precision energy metering core
- Chinese standard socket
- HY2.0-4P external control interface

Includes

- 1 x Atom-Lite
- 1 x Atom Socket CN

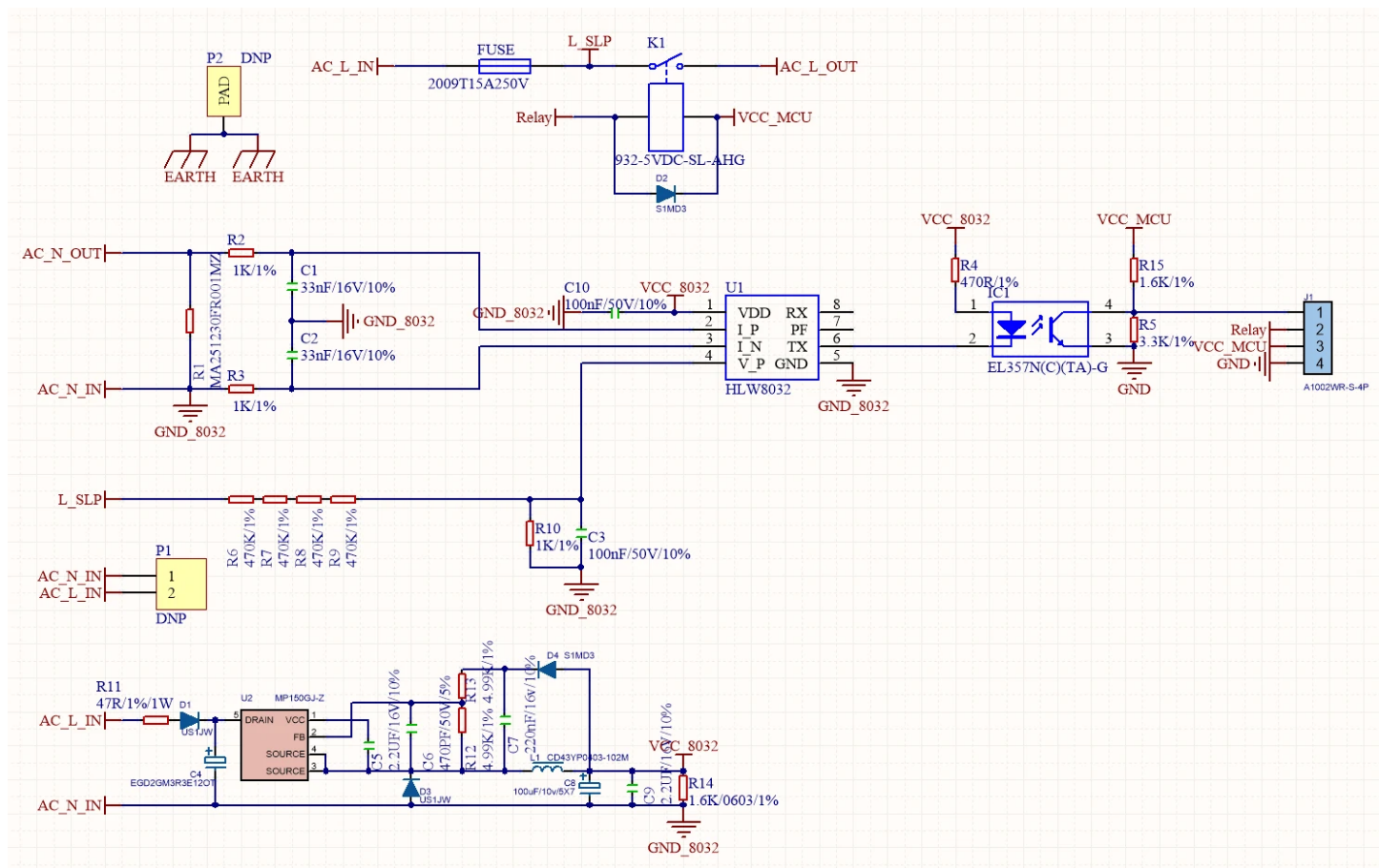
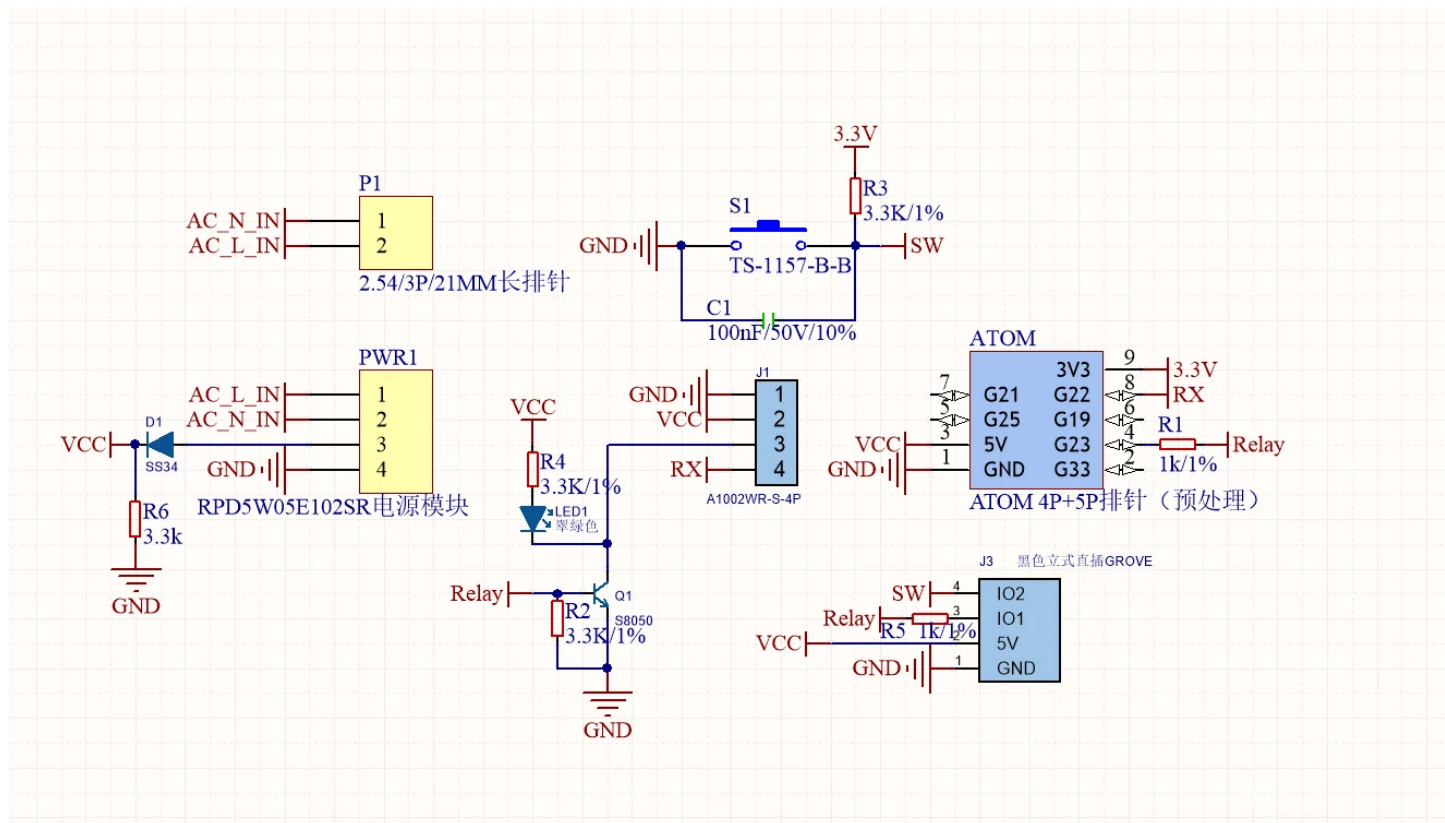
Applications

- Energy metering socket
- Smart WIFI socket
- Smart home appliance control

Specifications

Specification	Parameter
HLW8032 UART baud rate	4800
Recommended load power	<=1000W
Relay parameters	AC: 220V@10A / DC: 28V@10A
Product Size	90 x 42 x 55mm
Product weight	104.0g
Package Size	93.0 x 62.0 x 42.0mm
Gross Weight	116.6g

Schematics

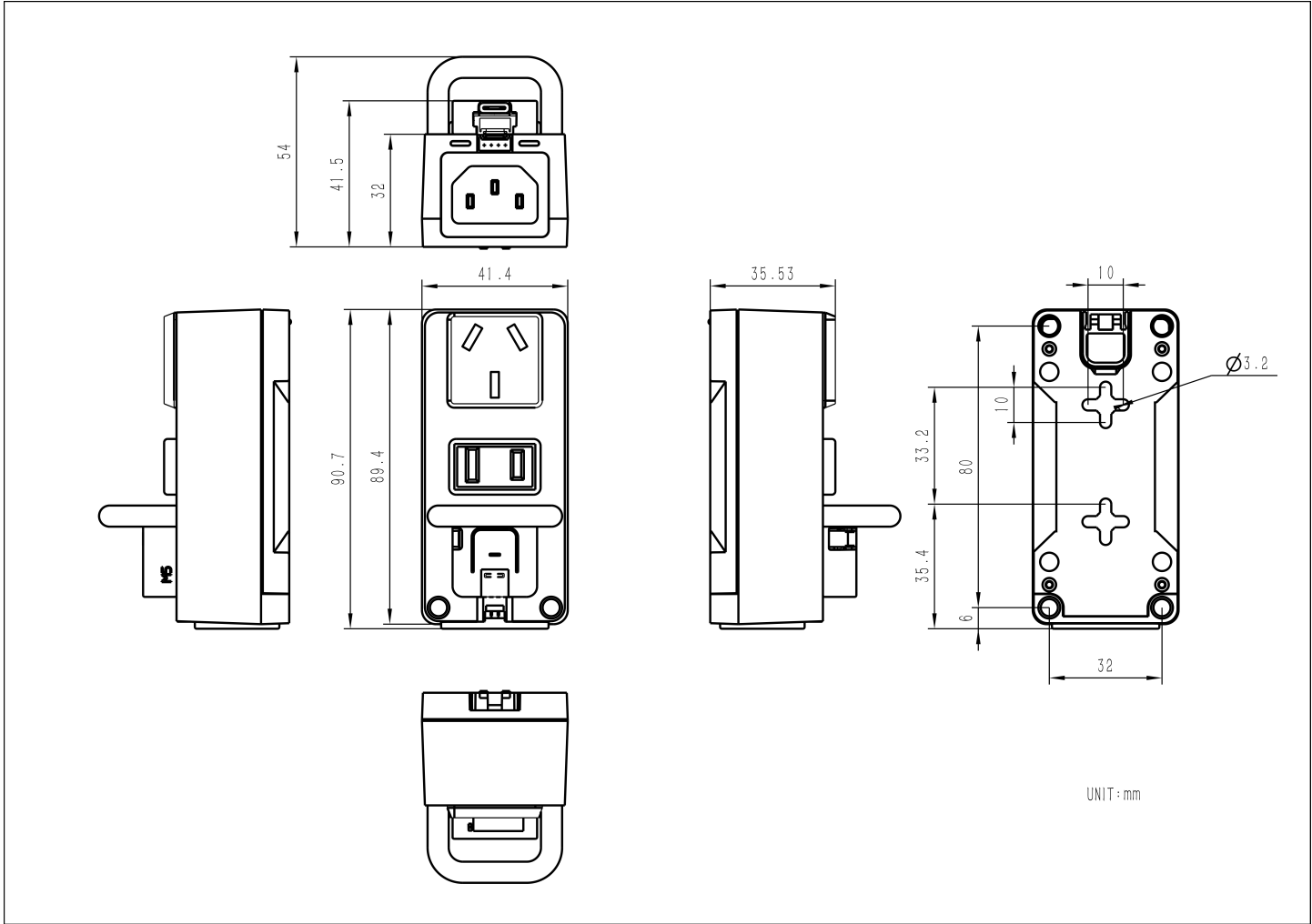


PinMap

Atom	G22	G23
Atom Socket	RX	Relay

Model Size

- [Atom Socket Model Size PDF](#)



Datasheets

- [HLW8032](#)

Softwares

Arduino

- [Atom Socket Test Example](#)

UiFlow1

- [Atom Socket UiFlow1 Docs](#)

EasyLoader

Easyloader	Download Link	Notes
Atom Socket Easyloader	download	/

| Video

- Remote control of ATOM Socket power supply and monitoring power status

[ATOM_SOCKET_CN.mp4](#)