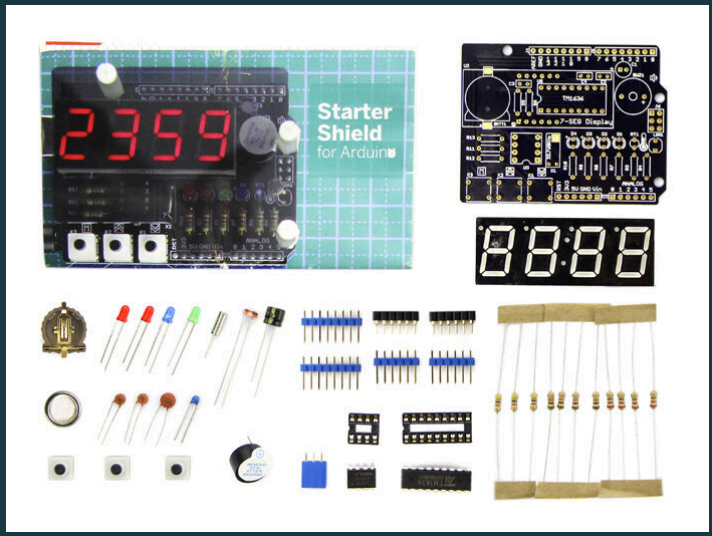
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INDUSTRIAL PRODUCT DATASHEET

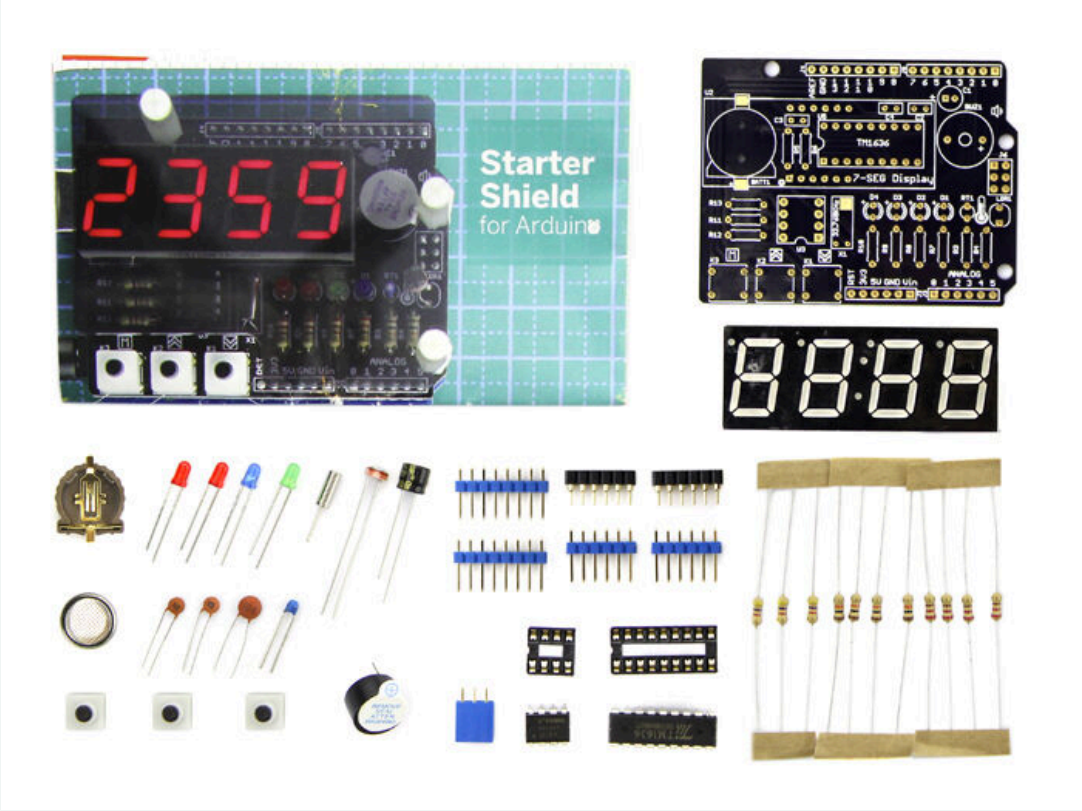
# Starter Shield EN(Tick Tock shield)

A beginner-friendly Arduino shield that combines soldering practice and programming tutorials into a functional geek-style alarm clock with real-time clock.

| SKU | UPDATED | PRICE |
| --- | --- | --- |
| 104030016 | 2024-08-09 02:11:27 | $15.90(Excl. VAT) |



# Overview




The Starter Shield EN(Tick Tock shield) is an all-in-one platform for Arduino beginners, offering hands-on soldering and programming practice with components like buttons, sensors, buzzer, and display. After assembly, it transforms into a geek-style alarm clock with auto-adjusting display brightness and real-time clock synchronization.

# Key Features

Starter Shield is a perfect start for beginners of Arduino world. You can learn and practice basic soldering tricks and programming principles when tinkering with this kit. Electronic could be fun even if you have bare technical knowledge cause we get your back by preparing a detailed soldering guide and a fully supported library of programming examples from easy to difficult. Hope you have fun and gain some knowledge with this kit!

Starter Shield contains most common resources for a basic electronic project, like buttons, sensors, buzzer and display. After you're done with the soldering task, it turns out to be a geek style alarm clock which can auto adjust the brightness of display and keep in synch with real world time.

**Features**

- All soldering friendly through-hole parts
- Alarm clock in geek style
- All-in-one platform for beginners
- Arduino/Seeeduino compatible
- Real time clock inside

**Parts List**

- 1x Buzzer 3V;
- 1x CAP Aluminum 100uF-16V;
- 1x Temperature Sensor-10k;
- 1x RES Photoresistor 10K;
- 4x RES 10K-5%-1/4W;
- 4x RES 220R-5%-1/4W ;
- 3x RES 4.7K-5%-1/4W;
- 2x Blue Male Header VERT;
- 2x Blue Male Header VERT;
- 1x Blue Female Header VERT;
- 1x Lithium-ion Battery 3V-40mAh;
- 1x SMD Battery Cell Holder Plastic;
- 1x IC Driver;
- 1x RTC Clock/Timing;
- 2x IC Socket;
- 3x Button Top;
- 2x Black Round Female Header VERT;
- 1x LED Green-Green;

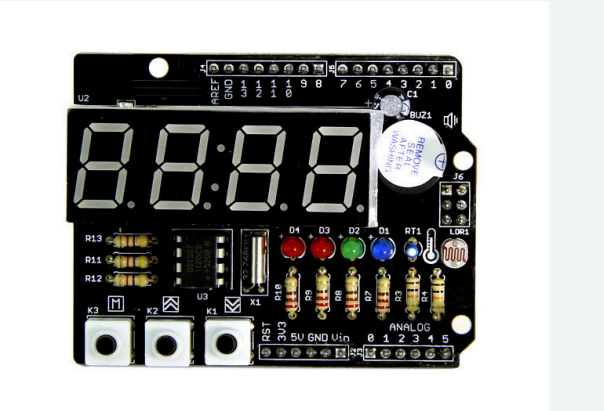
- 1x LED Blue-Blue;
- 2x LED Red-Red;
- 1x LED 7-SEG-Red;
- 1x Crystal 32.768KHz-12.5pF-20ppm-30K;
- 2x CAP Ceramic Disc 1nF-50V-20%;
- 1x CAP Ceramic Disc 100nF-25V;
- 1x Starter Shield Soldering Guide
- 1x Starter Shield PCB

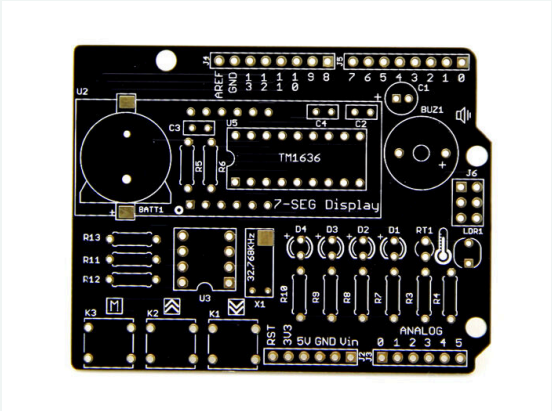
Soldering Guide

**Documents**

Please visit our **wiki** page for more info about this product. It will be appreciated if you can help us improve the documents, add more demo code or tutorials. For technical support, please post your questions to our **forum**.

# Product Gallery








## Part List

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- 1x Starter Shield PCB

## Compliance & Logistics

| | |
|---|---|
| HSCODE | 9023009000 |
| ROHS | 1 |

# Resource Links

- https://www.seeedstudio.com/Starter-Shield-EN-Tick-Tock-shiel-p-1371.html
- Starter Shield library
- Starter Shield eagle file
- BLE Bee v1.0 pdf
- BLE Bee v1.0 sch
- TM1636 datasheet
- VS1307 datasheet

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