

Template

Shubin Yuan

PARTS LIST

Bill of Materials

Do not change blue (calculated) squares

Totals:

\$ 59.39

0.838 [lb]

\$ 72.24

PARTS LIST

RefID

Part Name

Technical Description

Mfrgr Name

Mfrgr Part No

Name

Part/Catalog No

Web Address

Qty

Product Cost [\$]

Unit

Total

Mass

Unit [lb]

Total [lb]

Purchased

Qty

Total Cost [\$]

End-of-Life

Notes

P2

PIR Motion Sensor Detector

Onyehn IR Pyroelectric Infrared PIR Motion Sensor Detector Modules DC 2.7 to 12V(Pack of 2pcs)

Onyehn

8741774811

Onyehn

B07GJDJV63

<https://www.amazon.com/Onyehn-P>

1

1.831666667

1.831666667

0.039625

0.039625

6

10.99

Recycle

sensor

P1

Arduino Uno

ELEGOO UNO R3 Board ATmega328P

ELEGOO

EL-CB-001

ELEGOO

B01EWOE0UU

<https://www.amazon.com/ELEGOO-4>

1

16.99

16.99

0.06

0.06

1

16.99

Recycle

Microprocessor

U1

Relay

HILEtgo 5V relay

HILEtgo

3-01-0340

HILEtgo

B00LW15A4W

<https://www.amazon.com/HILEtgo-C>

1

3.695

3.695

0.149375

0.149375

2

7.39

Recycle

PBC relative recycle

P3

Bluetooth Transceiver

Wireless Bluetooth RF Transceiver

HILEtgo

8541554474

HILEtgo

B071YJG8DR

<https://www.amazon.com/HILEtgo-V>

1

10.39

10.39

0.00775

0.00775

1

10.39

Recycle

Bluetooth

L1

Lock

uxcell DC 12V 11A 11.4mm Electromagnetic Solenoid Lock

uxcell

a19042500ux0C

uxcell

B07TMWY94G

<https://www.amazon.com/uxcell-6le>

1

15.49

15.49

0.3625

0.3625

1

15.49

Recycle

Lock

V1

Power Supply

F1TP DC 12V 2A Power Supply Adapter

F1TP

TP04-120200U

F1TP

B078R93PSY

<https://www.amazon.com/F1TP-Ada>

1

10.99

10.99

0.21875

0.21875

1

10.99

Recycle

Power supply