123.00mm

24.00mm

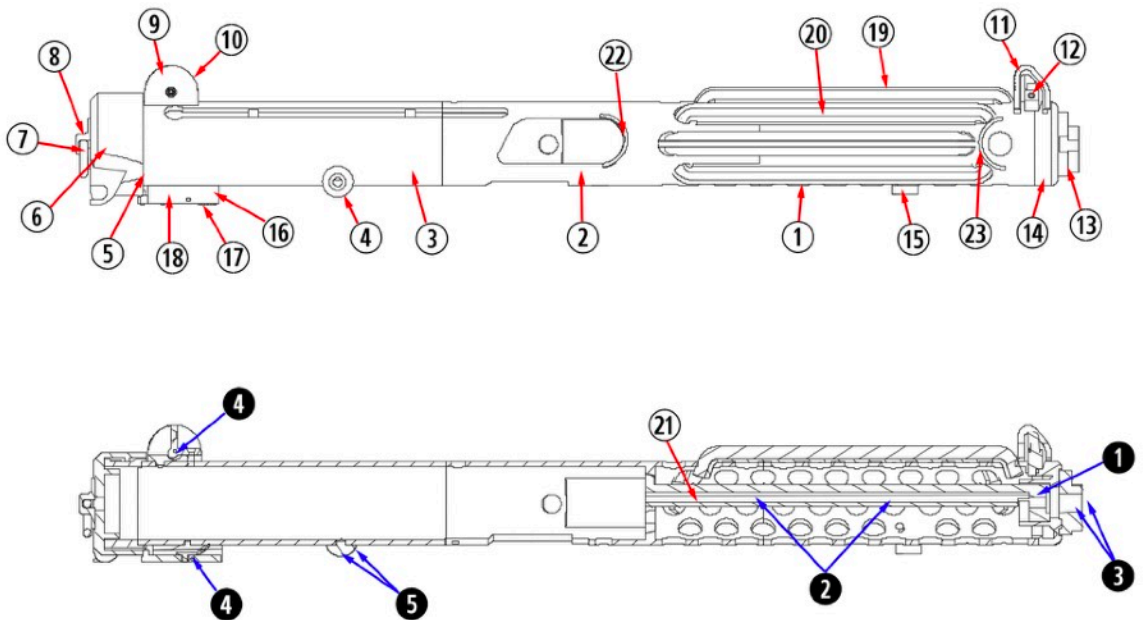*BLTroniX E-11 Blaster PCB*

E-11 Blaster designed from scratch to house my BLTroniX E-11 Blaster Electronics PCB

Barrel Assembly STL Parts

① Barrel Front
② Barrel Middle
③ Barrel Back
④ Folding Stock Pivot
⑤ Barrel End
⑥ End Cap
⑦ D-Ring
⑧ D-Ring Holder
⑨ Rear Sight Mount
⑩ Rear Sight
⑪ Front Sight Guard
⑫ Front Sight
⑬ Muzzle
⑭ Barrel Front End
⑮ Bayonet Lug
⑯ End Cap Lock Mount
⑰ End Cap Lock
⑱ End Cap Lock Spring
⑲ Long T-Track
⑳ Short T-Track
㉑ Barrel Rod/LED Holder
㉒ Rear Shroud
㉓ Front Shroud

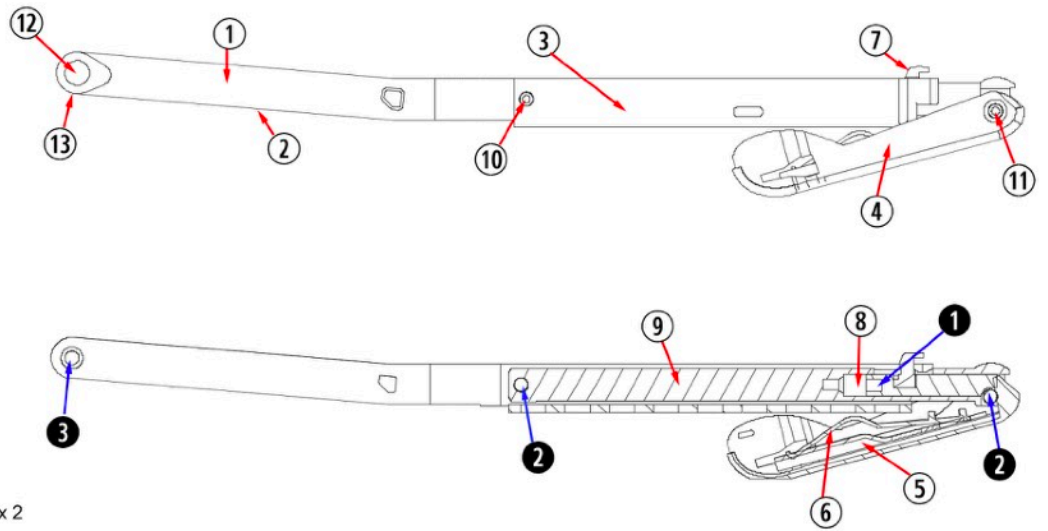## Barrel Hardware & Electronics

❶ Single WS2812B LED
❷ WS2812B LED - Strip of 25 LEDs
❸ M5 x 16mm HEX Socket Head Screw x 2 (Barrel Muzzle)
❹ 1.5mm Brass Rod x 2
❺ M5 x 12mm Flanged Button Head HEX Screw x 2 (Folding Stock)

Folding Stock Assembly STL Parts

1. Folding Stock Left Side
2. Folding Stock Right Side
3. Folding Stock Front
4. Stock Butt
5. Stock Butt Catch
6. Stock Butt Spring
7. Folding Stock Retainer
8. Folding Stock Plunger
9. Folding Stock Centre Rod
10. Pin 1 *(Option to use real screw)*
11. Pin 2 *(Option to use real screw)*
12. Pivot Pin 1 *(Option to use real screw)*
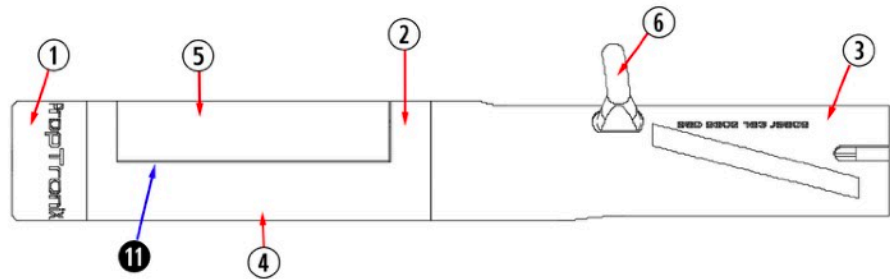13. Pivot Pin 2 *(Option to use real screw)*

Folding Stock Hardware

1. Stock Retainer Spring - 4 x 35mm
2. M3 x 6mm Button Head Screw x 4
3. M5 x 12mm Flanged Button Head Screw x 2

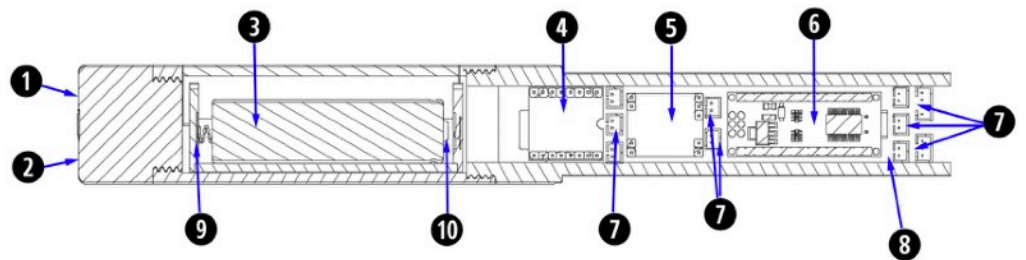## Chassis Assembly STL Parts

1. End Cap
2. Battery Compartment
3. Bolt - Electronics Holder
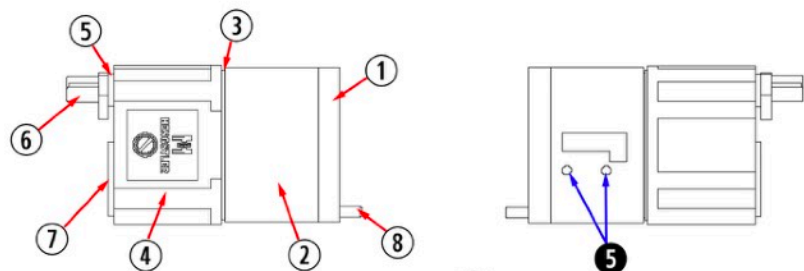4. Battery Cradle
5. Battery Compartment Cover
6. Cocking Lever

Chassis Hardware & Electronics Parts

1. TP4056 Battery Charger
2. ON/OFF Switch
3. 18650 Protected Battery
4. DFPlayer Mini
5. PAM8403 Amplifier
6. Arduino Nano
7. JST PH2.0 Socket
8. BLTroniX E-11 PCB
9. Negative Battery Terminal
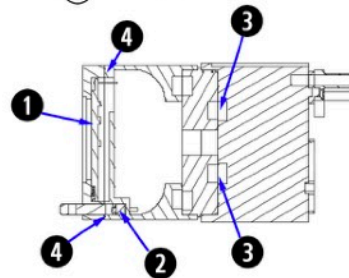10. Positive Battery Terminal
11. 1.5mm Brass Rod (Hinge)

Hengstler Assembly STL Parts

1. Screen Holder
2. Back
3. Middle
4. Front
5. Front Plate
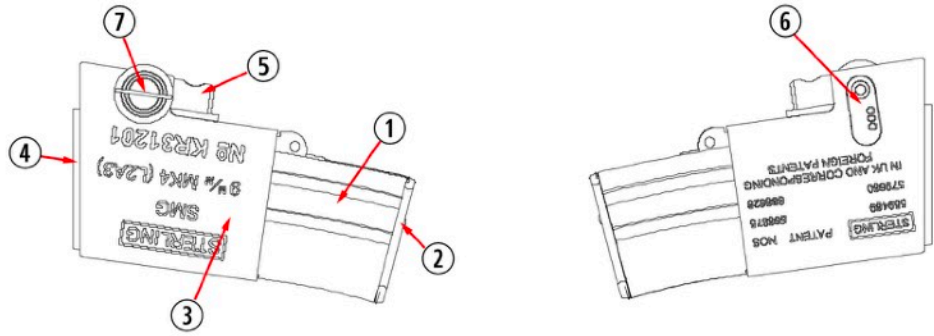6. Tubes
7. Grill
8. Button

Hengstler Hardware & Electronics

1. 0.91" OLED Display
2. 6 x 4mm Tactile Switch (2 Pin)
3. 6 x 3mm Magnets x 8
4. 2 x 2mm Magnets x 8
5. M3 x 8mm Button Head Screws x 2

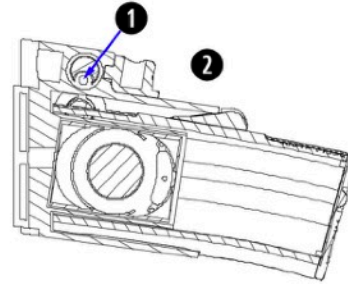All STL Parts have been deigned for 3D printing on a FDM printer as well as a Resin printer, so there are lots of

Magazine Assembly STL Parts

① Magazine
② Magazine Cap
③ Magazine Block
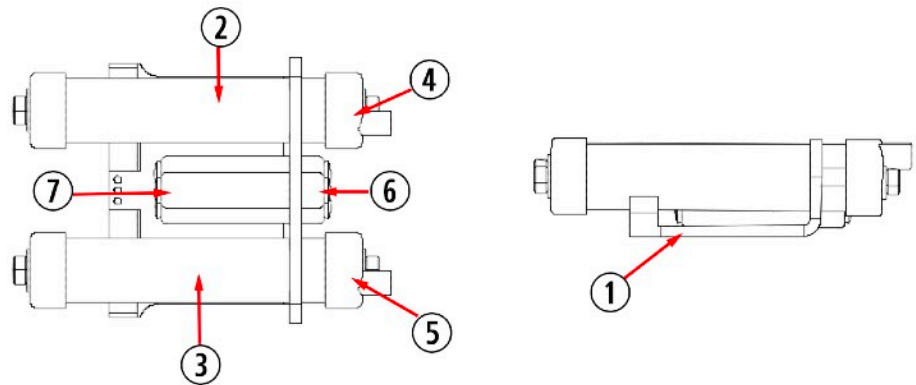④ Speaker Holder
⑤ Small Part
⑥ Magazine Catch
⑦ Magazine Release Button

Magazine Hardware & Electronics

❶ 35 x 25 x 6.8mm Flat Speaker
❷ 4 x 15mm Spring
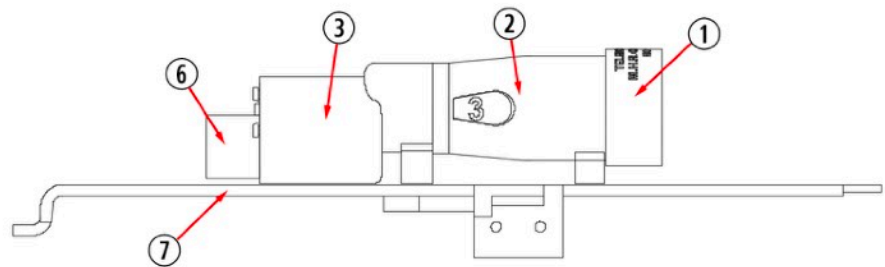
Power Cylinders Assembly STL Parts

① Base
② Front Cylinder Left
③ Front Cylinder Right
④ Rear Cylinder Right
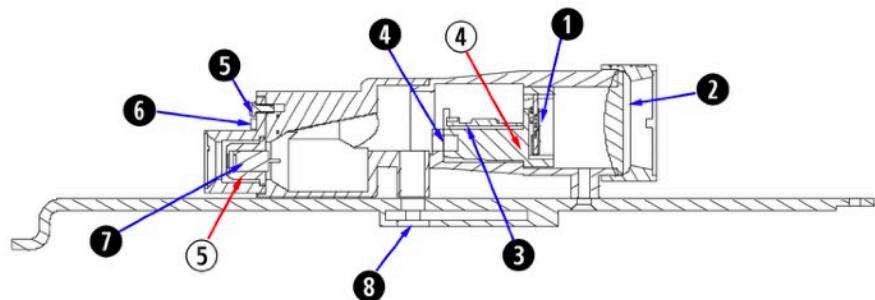⑤ Rear Cylinder Left
⑥ Centre Cylinders Rear
⑦ Centre Cylinders Front

Scope Assembly STL Parts

① Rear Lens Cap
② Rear Body
③ Front Body
④ Screen/DFRobot Beetle Holder
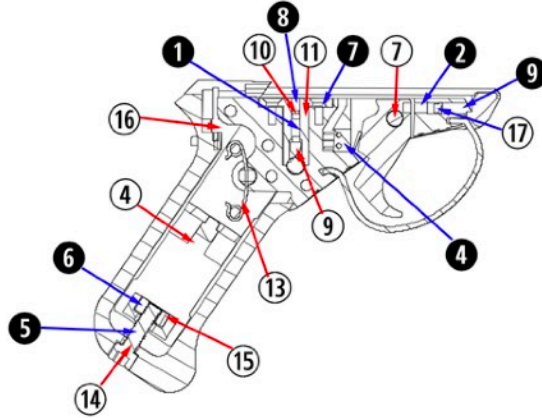⑤ Laser LED Holder
⑥ Scope Front
⑦ Scope Rail

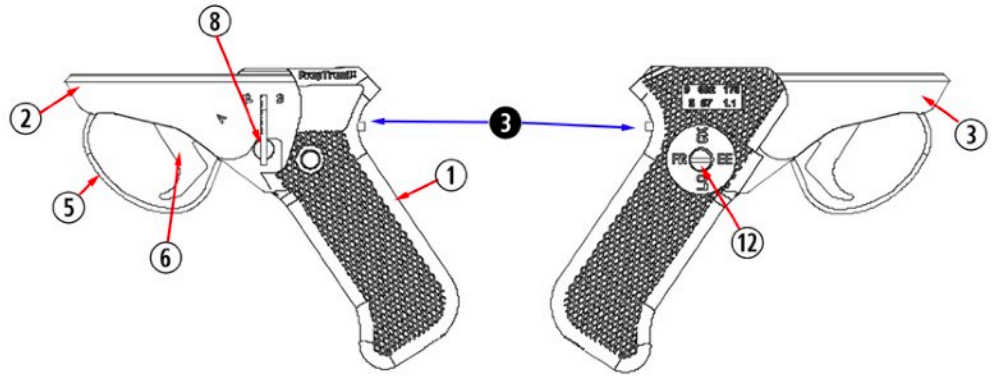## Scope Hardware & Electronics

❶ 0.49" OLED Display
❷ 30mm Glass Cabouchon
❸ DFRobot Beetle
❹ 4 x 3mm Magnets
❺ Cheese Head Scerews x 3
❻ 6 x 6mm Tactile Switch
❼ 5V Red Dot Laser LED Diode
❽ M1 x 10mm Button Head Screws x 2

Trigger/Grip Assembly STL Parts

① Grip
② Trigger Mount Inner Left
③ Trigger Mount Inner Right
④ Grip Frame
⑤ Trigger Guard
⑥ Trigger
⑦ Trigger Pin
⑧ Selector Lever
⑨ Selector Lever Ratchet
⑩ Selector Spring Plunger
⑪ Selector Retainer
⑫ Grip Release Pin
⑬ Grip Release Spring
⑭ Grip Screw *(Option to use real screw)*
⑮ Grip Nut *(Option to use real nut)*
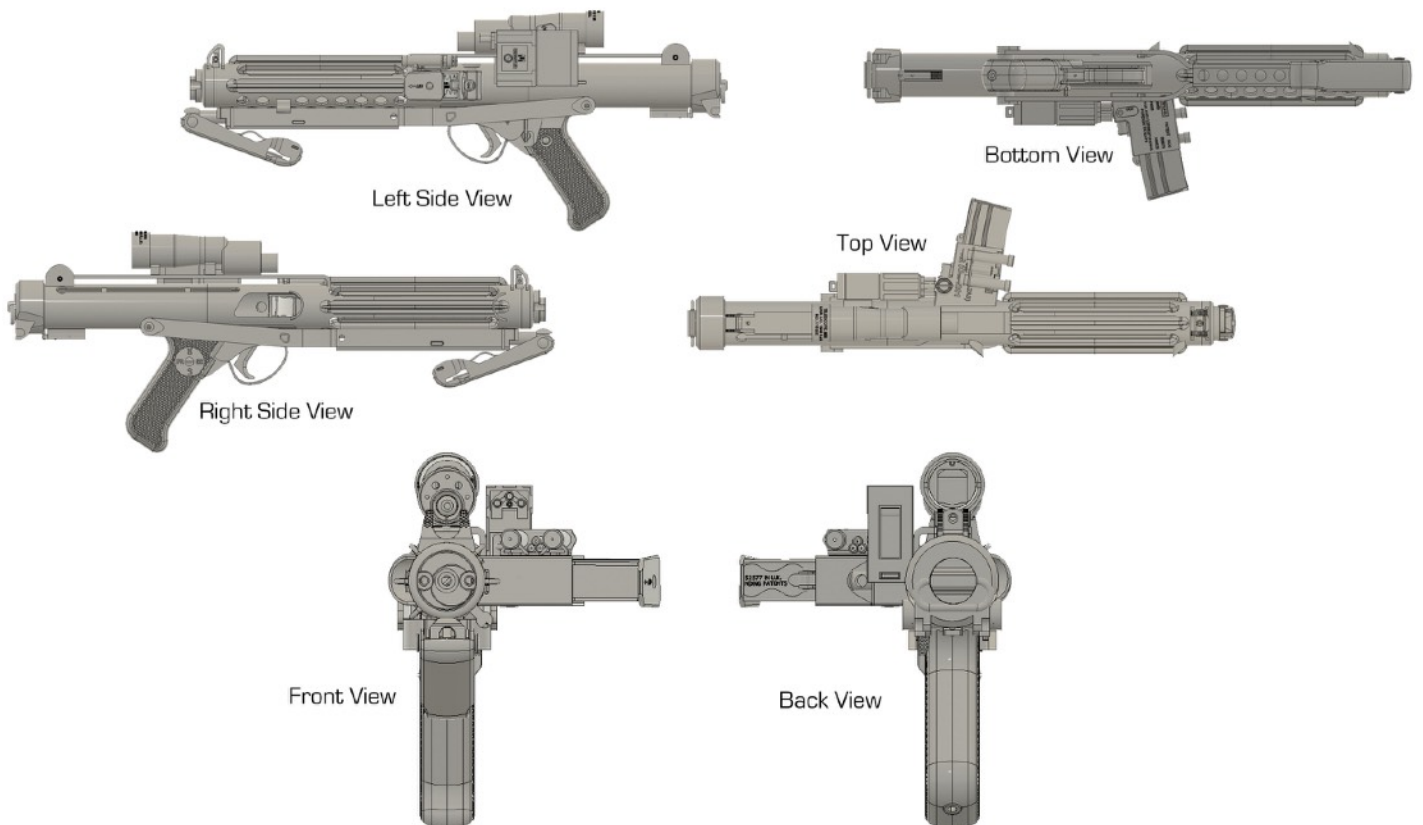⑯ Switch Retainer Plate
⑰ Trigger Spring Stopper

Hardware

❶ 4 x 10mm Spring
❷ 3 x 15mm Spring
❸ 6 x 6mm Tactile Switch - x 2
❹ Mini Micro Lever Switch
❺ M6 x 20mm Socket Head Screw
❻ M6 Nut
❼ M3 x 8mm Button Head Screw x 2
❽ M5 x 3mm Grub Screw
❾ M4 x 8mm Grub Screw

ProptroniX
Star Wars Props and Electronics

E-11 Blaster 3D Design

Left Side View

Bottom View

Top View

Right Side View

Front View

Back View

Designed to Hold BLTroniX Blaster Electronics

parts to print.

Below are diagrams showing the STL parts as well as the electronic and hardware components.