Mechanical Documentation
Door 5
Automatic Pet Door
HC-SR501 PIR sensor

LCD 16x2
Arduino Uno
ANNIMOS Digital Servo

Top Cover

Bearing Circle Waterproof Seal

High Precision Solid Brass Gears

Top & Bottom Bearings

Aviation Aluminum Material

Waterproof Gaskets

CNC Aluminium Middle Shell

Base Cover

Waterproof Screws with Rubber Seals
Connectors
Male Headers

A = (Pitch * No. of contacts) * 0.1 - 0.5
B = (A - Pitch) ± 0.2

PCB LAYOUT

PCB
Enclosure
Units: Inches

Outside Frame Side - Front

Outside Frame Side - Sides
Units: Inches
Units: Inches
Units: Inches
Units: Inches
Units: Inches
Units: Inches

Inside Frame Bottom Corner - Front

Inside Frame Bottom Corner - Sides
Units: Inches
Units: Inches
Units: Inches