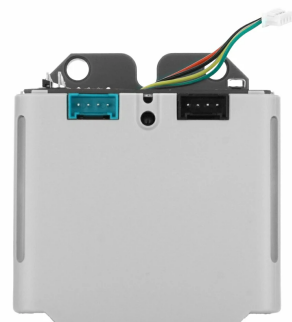
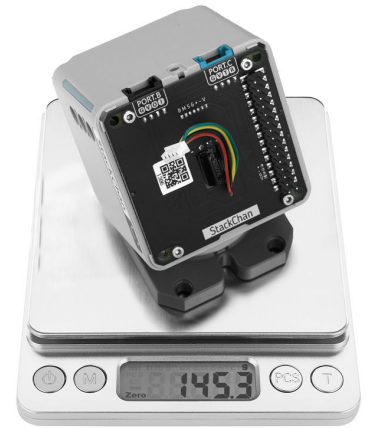
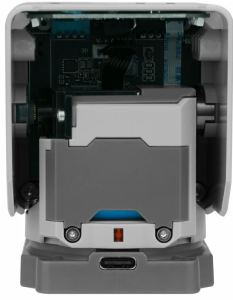


StackChan Body

SKU:A180





Description

StackChan Body is the body part of the StackChan robot and can be used as a replacement for StackChan mainframe maintenance. The body includes a USB-C power/data interface, 550 mAh battery, two feedback-compatible servos (360° unlimited rotation horizontally and 90° vertically), 12 RGB LEDs (2 rows), infrared transmitter/receiver, a three-zone capacitive touch panel on top, full NFC, and other peripherals. It can replace the original body and is compatible with the StackChan AI desktop robot.

Features

- Replacement and maintenance module for StackChan body
- USB-C power/data connection
- 550 mAh battery
- Two servos with feedback (360° horizontal endless rotation, 90° vertical rotation)
- 12 RGB LEDs (2 rows)
- Infrared transmitter and receiver
- Top 3-zone touch panel

Includes

- 1 x StackChan Body
- 2 x M3 * 14mm screws (button head, mechanical thread)
- 1 x Hex Key L-Shape 1.5mm (For M2 Screw)
- 1 x Hex Key L-Shape 2.5mm (For M3 Screw)
- 1 x 1.25-4P male-to-female same-direction extension cable (100mm)

Applications

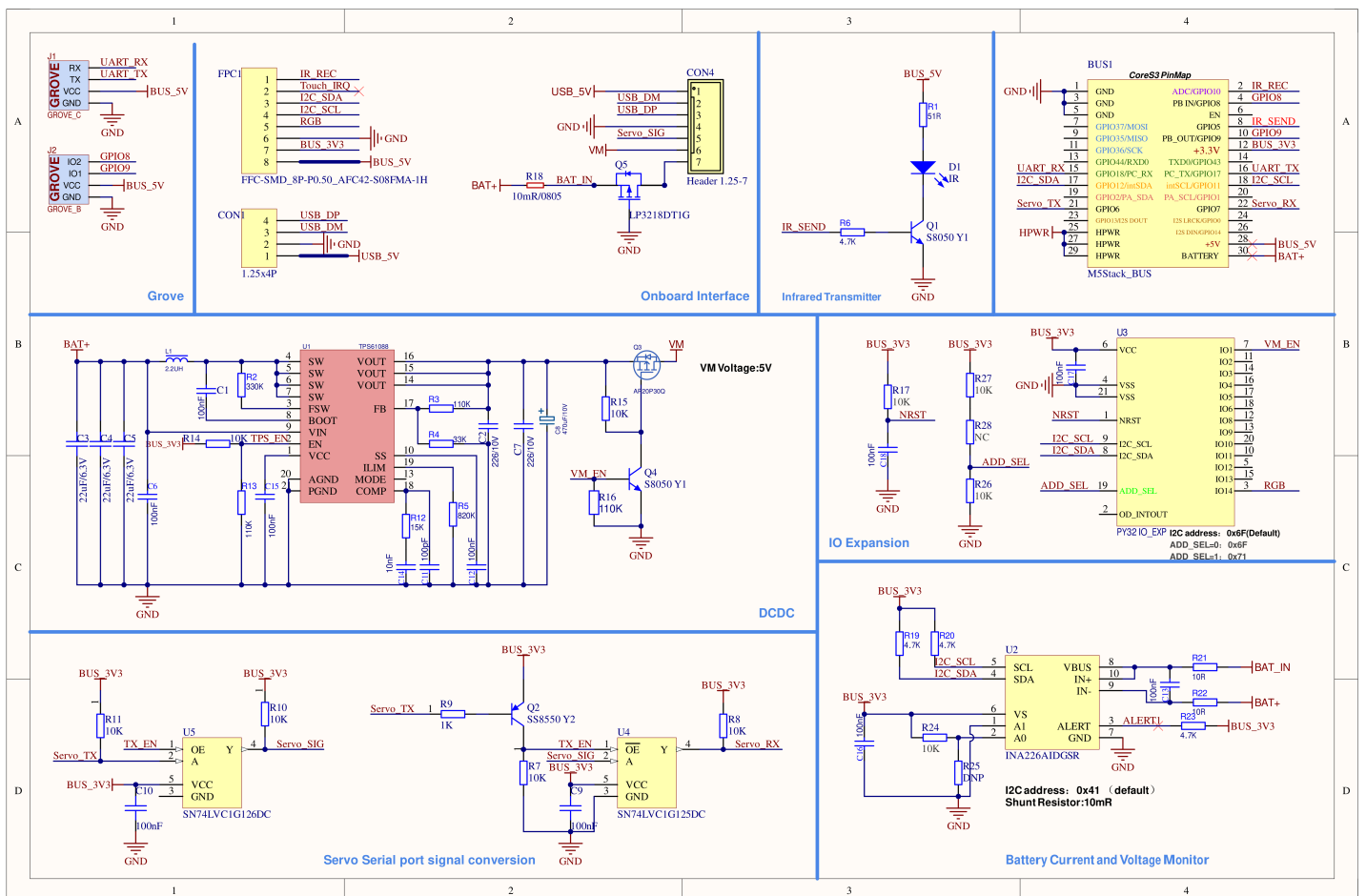
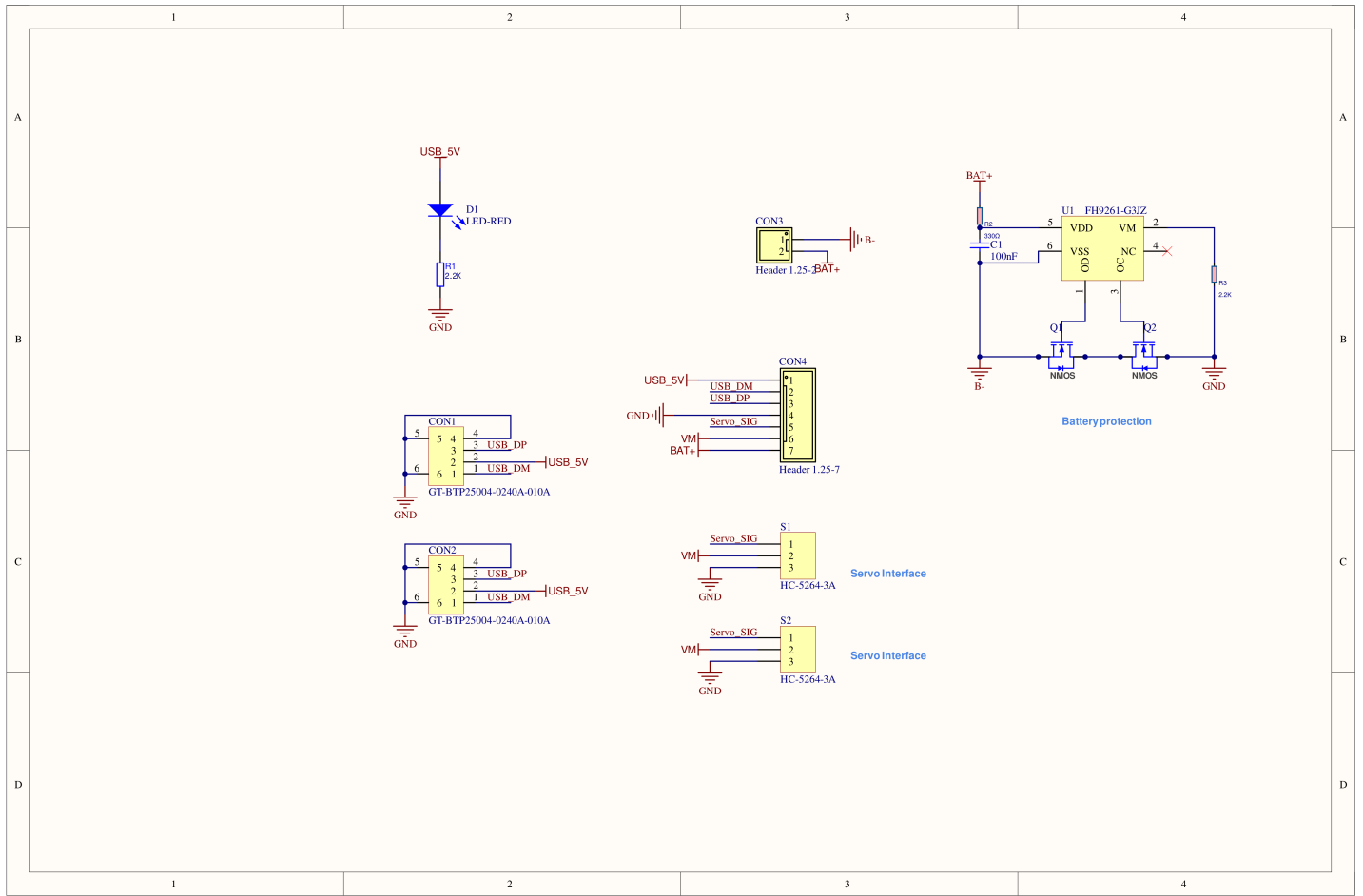
- StackChan body replacement

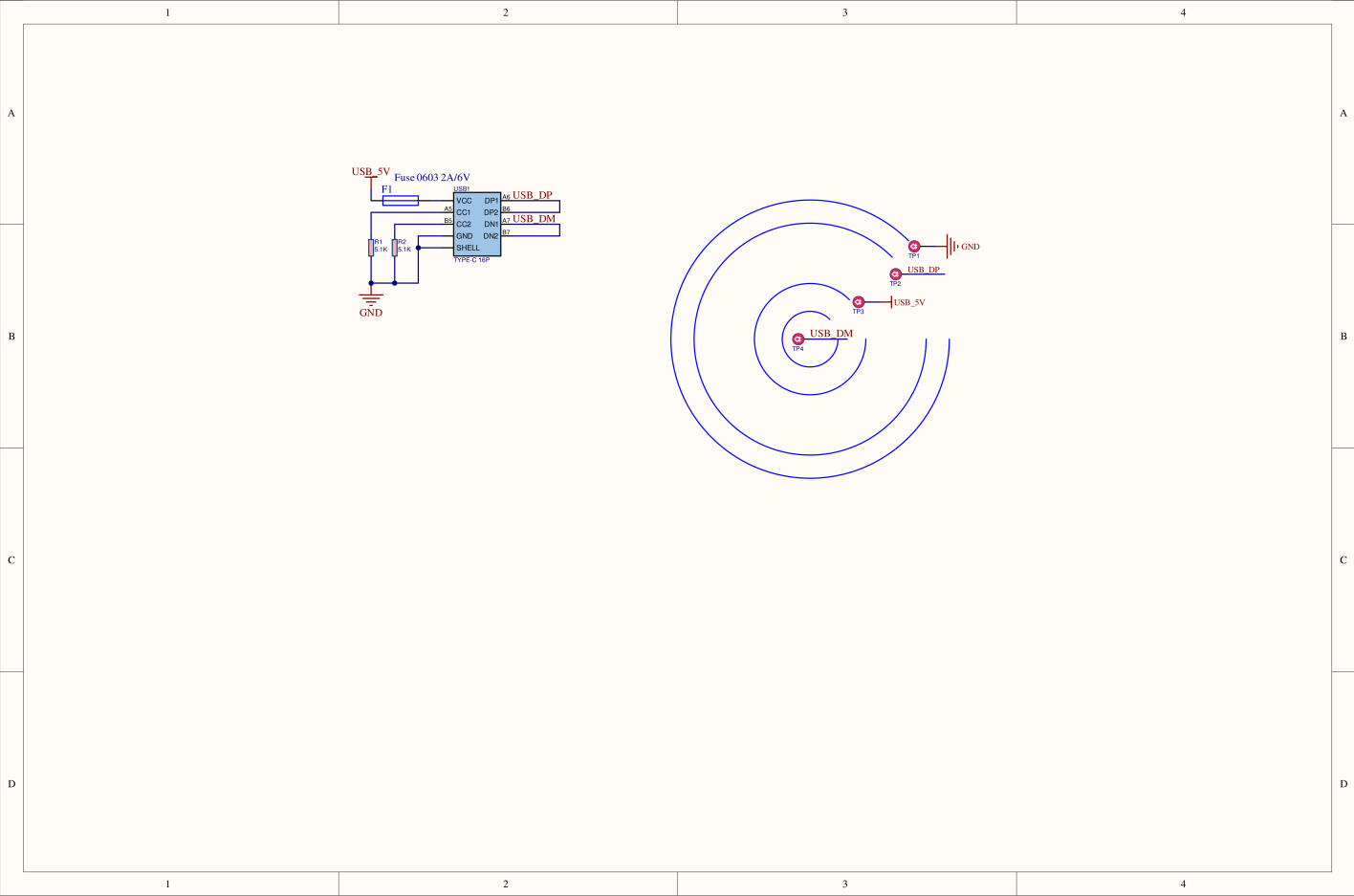
Specifications

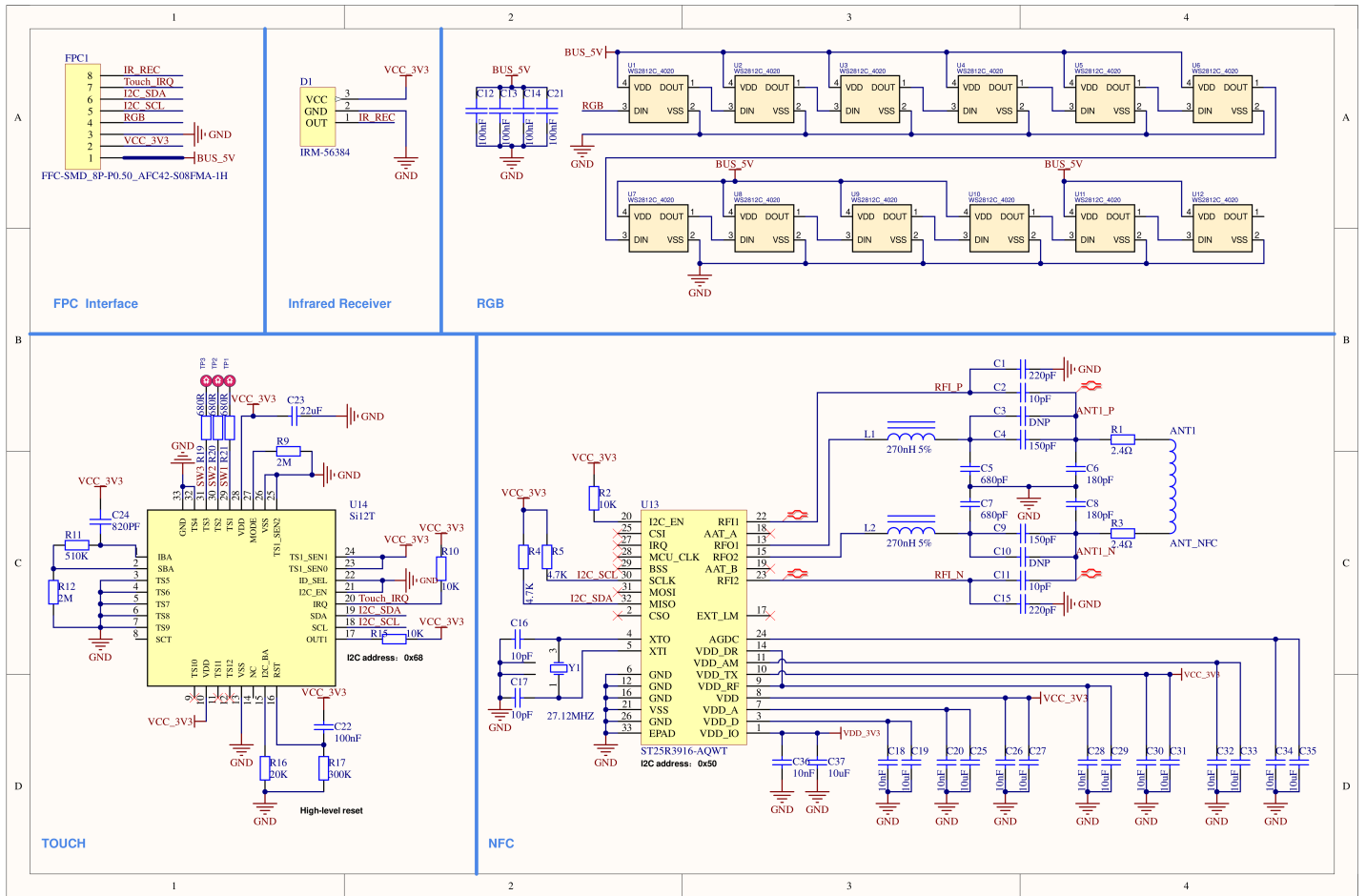
Specification	Parameter
Motor	360° horizontal servo with feedback
	90° vertical servo with feedback
Wireless	IR receiver IRM56384 + IR transmitter
Sensor	3-zone touch panel, driven by Si12T
	Full-featured NFC ST25R3916
Expansion Port	Grove interface * 2
Product Size	48.0 x 60.1 x 70.4mm
Product Weight	145.3g
Package Size	100.0 x 100.0 x 57.0mm
Gross Weight	201.5g

Schematics

- [StackChan Base Adapter Board Schematic PDF](#)
- [StackChan Base Power Board Schematic PDF](#)
- [StackChan Base Ring Board Schematic PDF](#)
- [StackChan Base Touch Board Schematic PDF](#)

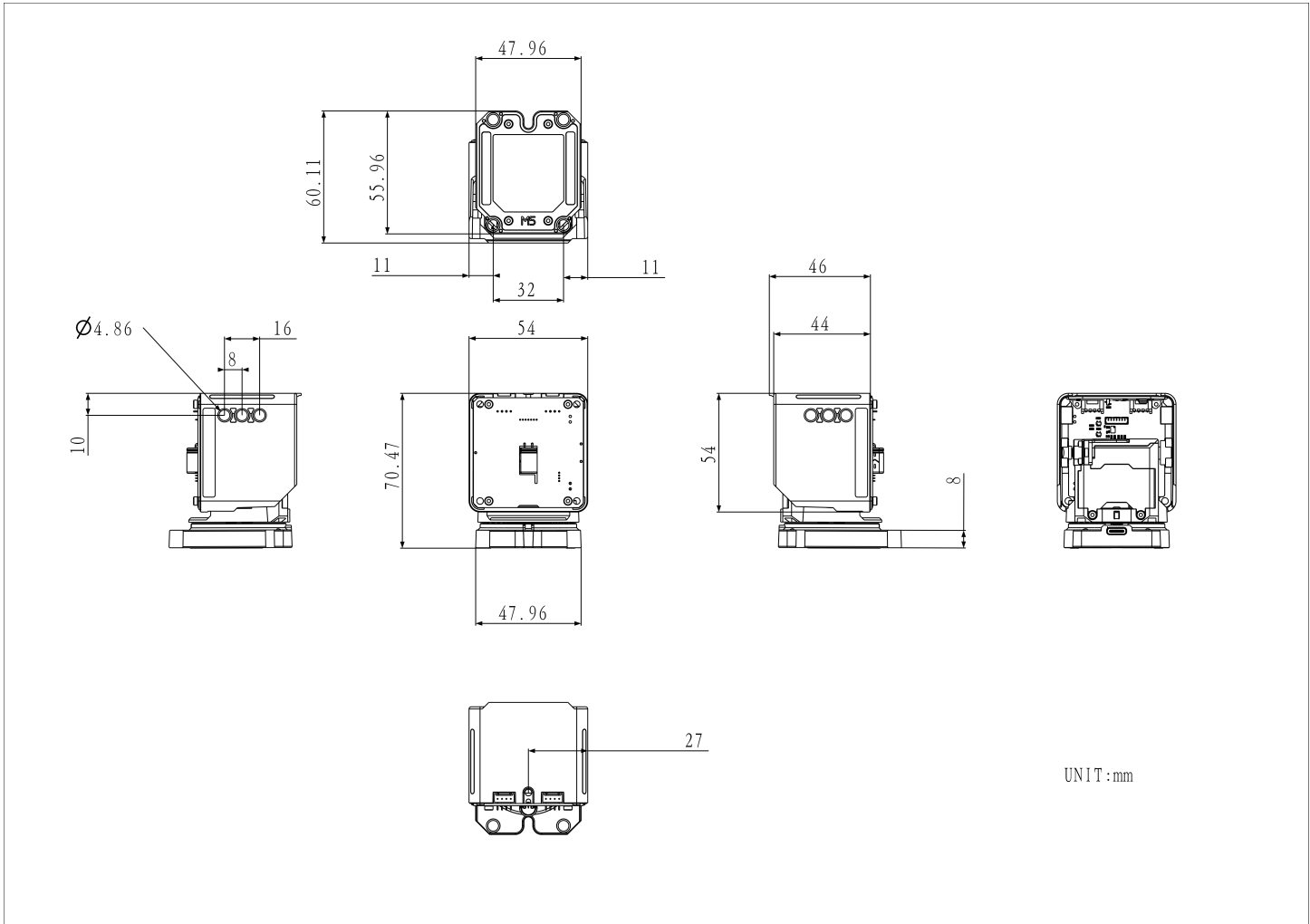






Model Size

- StackChan Body Model Size PDF



Structure

- [StackChan Body Structure Files](#)

Datasheet

- [Servo SCS0009](#)
- [NFC ST25R3916](#)
- [Touch Chip Si12T](#)
- [Infrared Receiver IRM56384](#)
- [Battery Monitor INA226](#)
- [IO Expander PY32L020](#)

Video