

INDUSTRIAL PRODUCT DATASHEET

# Feetech ST3215 C046 Servo

## 7.4V 1:147 Gear Ratio

A high-precision servo with metal gearbox and real-time feedback for leader arm applications.

SKU

101090142

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PRICE

\$20.00(Excl. VAT)



# Overview



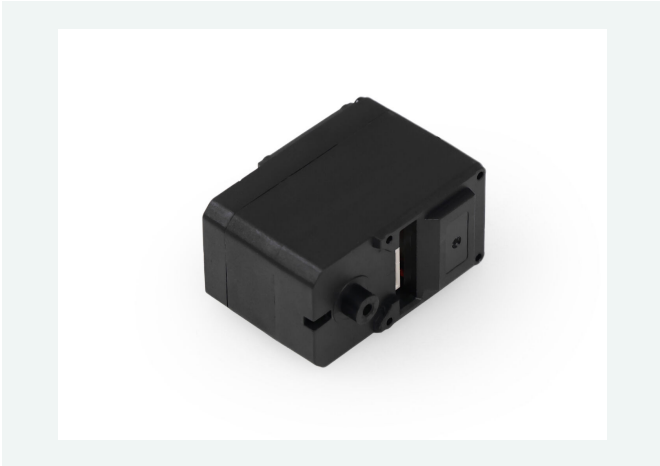
The Feetech ST3215 C046 Servo operates at 7.4V with a 1:147 gear ratio, offering 360-degree precise positioning and multi-turn rotation. It provides rich real-time feedback and overload protection, suitable for use on a leader arm.

## Key Features

### [Note]

- From China warehouse to the United States, choose "**US Direct Group Shipping**" to enjoy duty-free !
- **High Precision** Provides 360-degree positioning with precise angle control and multi-turn continuous rotation capability
- **Metal Gearbox** Includes 1:147 gear reduction ratio metal gearbox
- **Easy Calibration** Offers one-touch midpoint calibration
- **Rich output** Provides real-time feedback of position, speed, voltage, current, temperature, and load
- **Overload protection** Provides overload and overcurrent protection

# Product Gallery

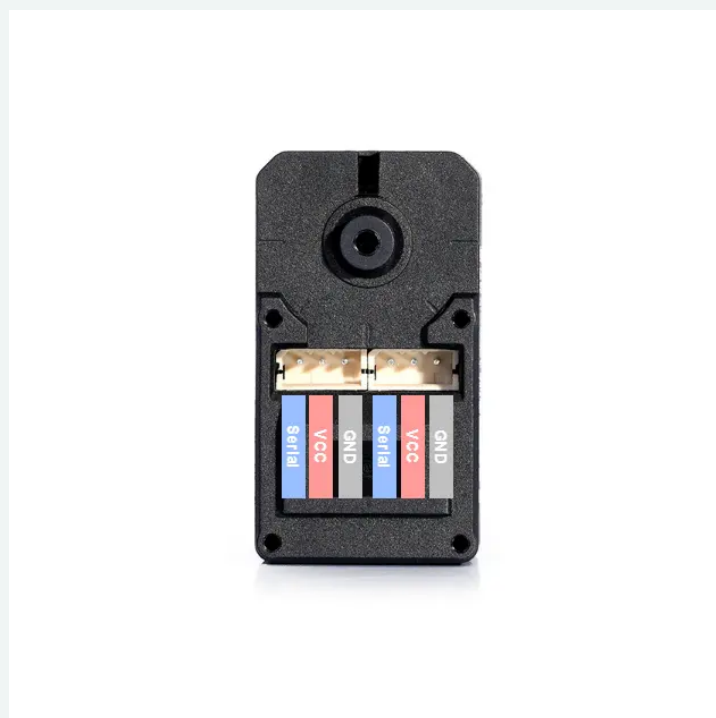
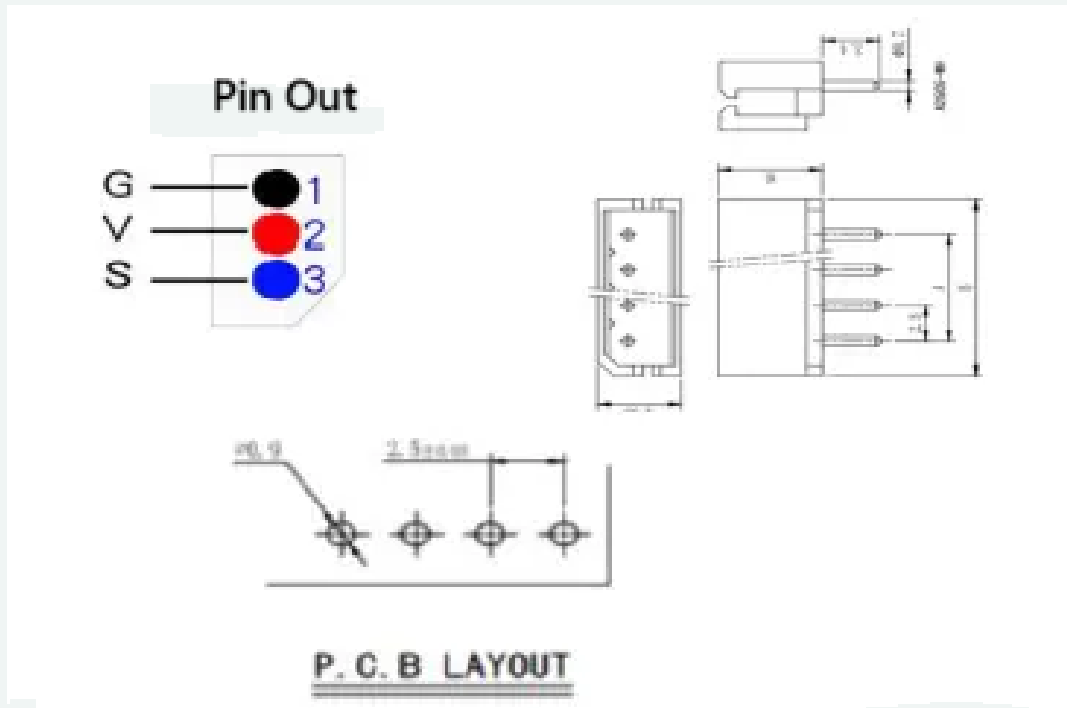


## Specification

|                       |                     |
|-----------------------|---------------------|
| Product               | Feetech ST3215 C046 |
| Voltage               | 4- 7.4V             |
| Operating Temperature | -20°C~60°C          |

|                         |                        |
|-------------------------|------------------------|
| Mechanical Dimension    | 45.2mm x 24.7mm x 35mm |
| Communication Interface | Serial                 |

# Hardware Overview



# Applications

- Used on leader arm

## Part List

|                   |     |
|-------------------|-----|
| ST3215-C046 Servo | x1  |
| Servo Horn        | x2  |
| Screw             | x18 |
| JST Wire          | x1  |

## Compliance & Logistics

|          |            |
|----------|------------|
| HSCODE   | 8501109990 |
| USHSCODE | 8501106080 |
| UPC      |            |
| EUHSCODE | 8501109390 |
| COO      | CHINA      |

## Resource Links

- <https://www.seeedstudio.com/Feetech-ST-3215-C046-Standard-Torque-Servo-7-4V-1-147-Gear-Reduction-p-6461.html>
- [Datasheet](#)
- [Github](#)
- [Debug Software](#)
- [Modbus-RTU Protocol](#)

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