seeed studio

INDUSTRIAL PRODUCT DATASHEET

Feetech ST3215 C001 Servo 7.4V 1:345 Gear Ratio

STS3215 C001 is 7.4V 19kg serial bus smart servo, with plastic case, core motor, 1:345 metal gearbox and 12 bit high precision magnetic coding sensor.

SKU	UPDATED	PRICE
108090023	2026-11-11 09:18:47	$20.00(Excl. VAT)



Overview



STS3215 C001 is 7.4V 19kg serial bus smart servo, with plastic case, core motor, 1:345 metal gearbox and 12 bit high precision magnetic coding sensor. The stall torque is 19.5 kg. cm and the rated torque is 5kg. cm. Designed for versatility, it is suited for use in industrial automation, robotics, and low-torque drive applications, such as LeRobot SO-Arm 101.

Key Features

01 **High Precison**

Provides 360-degree positioning with precise angle control and multi-turn continuous rotation capability

02 **Metal Gearbox Includes 1**

345 gear reduction ratio metal gearbox

03 **Easy Calibration**

Offers one-touch midpoint calibration

04 **Rich output**

Provides real-time feedback of position, speed, voltage, current, temperature, and load

05 **Overload protection**

Provides overload and overcurrent protection

Product Gallery





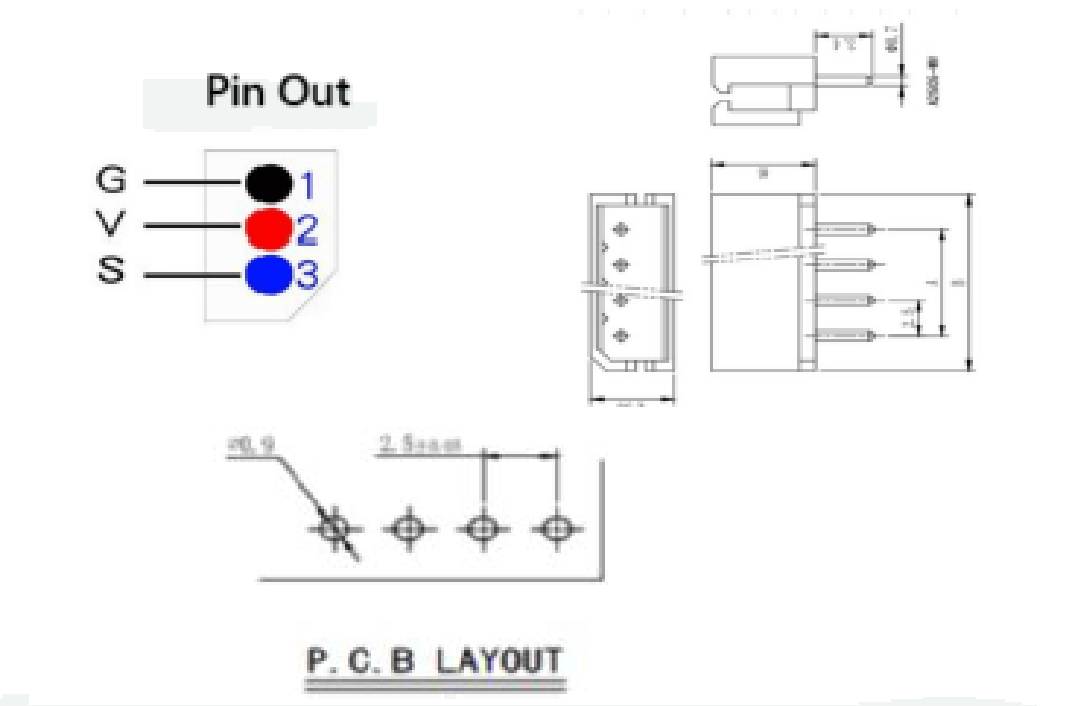








Hardware Overview





Applications

- **Lerobot SO-ARM101 robotic arm**
- **Used on leader arm**

Resource Links

- https://www.seeedstudio.com/STS3215-19kg-cm-7-4V-Serial-Servo-p-6338.html
- Datasheet
- Github
- Modbus-RTU Protocol

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