Ultra-small servo driver

MC-200C-6018



Nippon Pulse

has provided a wide array of motion control solutions, including industry leading stepper motors, the innovative Linear Shaft Motor, controllers, drivers and networks.

A wide range of product offerings and expertise in application engineering makes NPM a discerning partner in motion control technology and implementation

Miniature AC servomotor with high torque and high-resolution

DDmotor has characterristics of low speed and high torque (compared to general servo motors) because this motor is assumed that it will drive directry without using a gear(a deceleration mechanism).
Its equipped sensor specialized in high-precision positioning, and It is possible to receive the shaft load directly by adopting high-load bearing as standard.
Advantages that can be generally obtained by using a gearless structure are described below.

- Silent: This motor leads to noise reduction since it has no vibraition sound.
- High precision: It is possible to determine high precision positioning by eliminating a machanical error due to backlash.
- Weight and spase saving
- Improving acceleration
- Backdrivability

Servo driver

we selected a number of suitable drivers for the miniature Servomotors

- MC-200-7220 (box version)
- MC-200C-6018D (Ultra-small servo driver)

Phone

NL
+31 499 371007

DE
+49 2157 128990

Address

NL
Dynetics B.V.
De Rijn 12
5684 PJ Best
Netherlands

DE
Dynetics GmbH
Klostergasse 6
D-41334 Nettetal-Kaldenkirchen
Germany

Images



Phone

NL

+31 499 371007

DE

+49 2157 128990

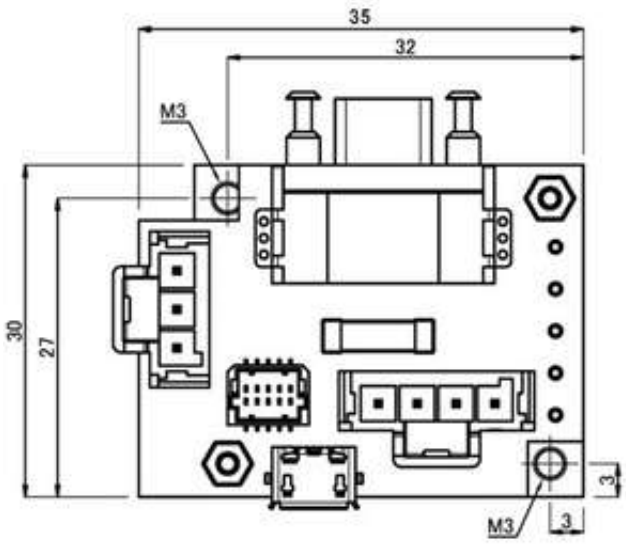
Address

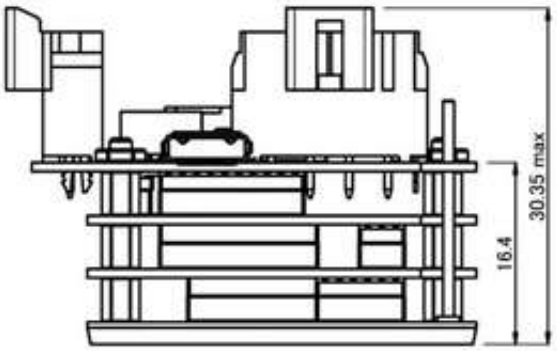
NL

Dynetics B.V.
De Rijn 12
5684 PJ Best
Netherlands

DE

Dynetics GmbH
Klostergasse 6
D-41334 Nettetal-
Kaldenkirchen
Germany





Phone

NL

+31 499 371007

DE

+49 2157 128990

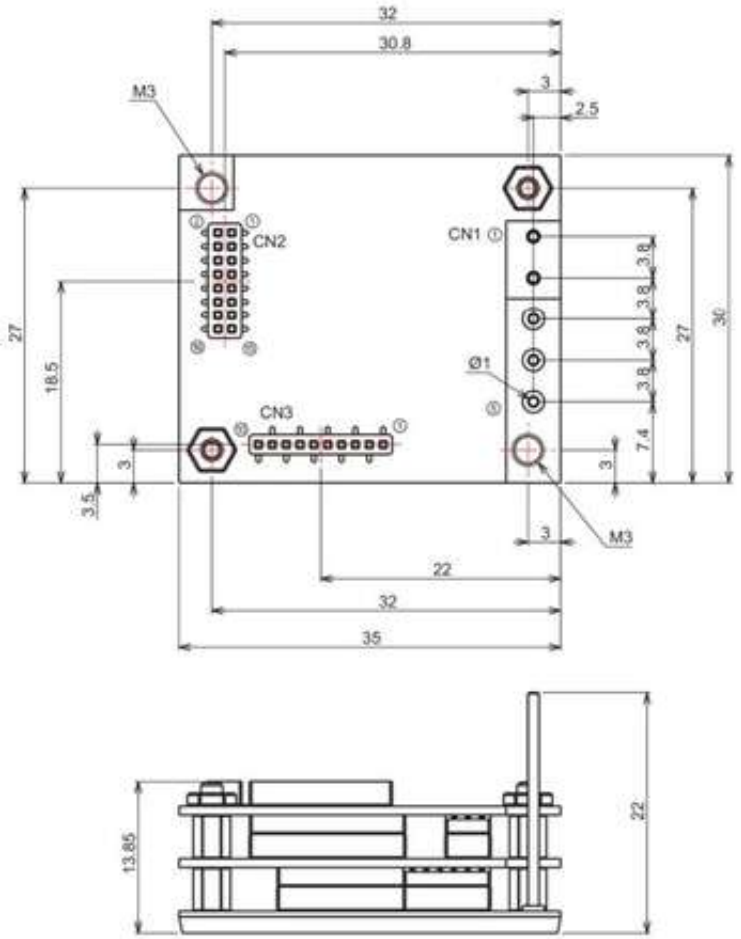
Address

NL

Dynetics B.V.
De Rijn 12
5684 PJ Best
Netherlands

DE

Dynetics GmbH
Klostergasse 6
D-41334 Nettetal-
Kaldenkirchen
Germany



Phone

NL

+31 499 371007

DE

+49 2157 128990

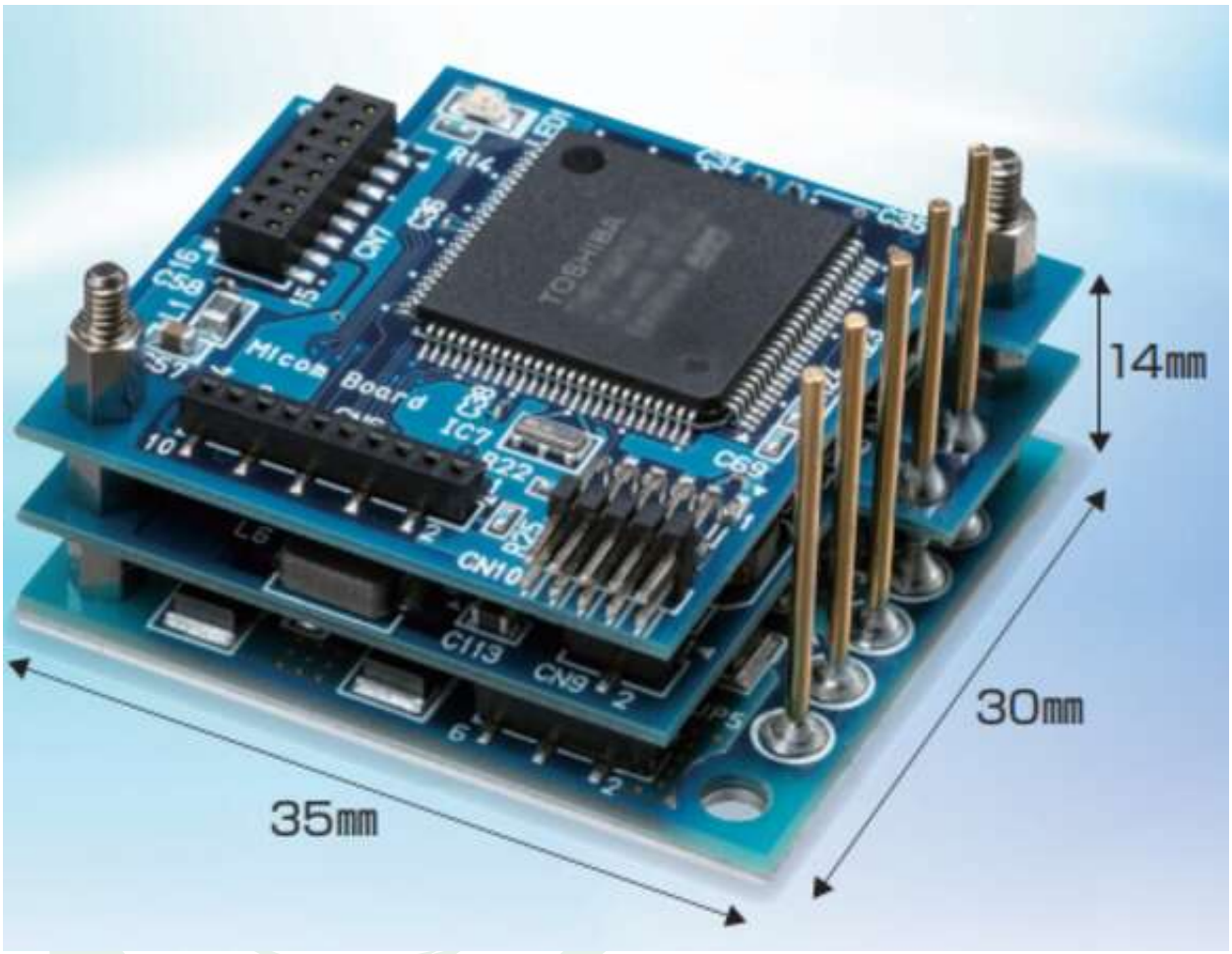
Address

NL

Dynetics B.V.
De Rijn 12
5684 PJ Best
Netherlands

DE

Dynetics GmbH
Klostergasse 6
D-41334 Nettetal-
Kaldenkirchen
Germany



Phone

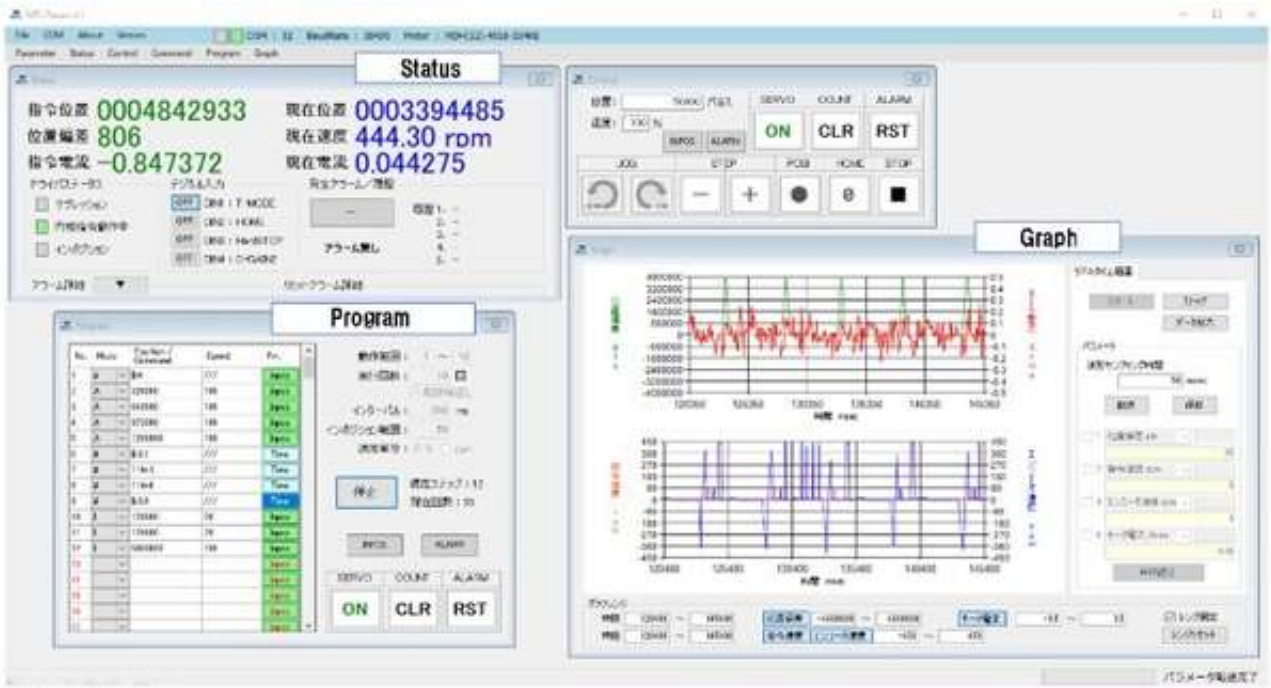
NL
+31 499 371007

DE
+49 2157 128990

Address

NL
Dynetics B.V.
De Rijn 12
5684 PJ Best
Netherlands

DE
Dynetics GmbH
Klostergasse 6
D-41334 Nettetal-
Kaldenkirchen
Germany



Phone

NL

+31 499 371007

DE

+49 2157 128990

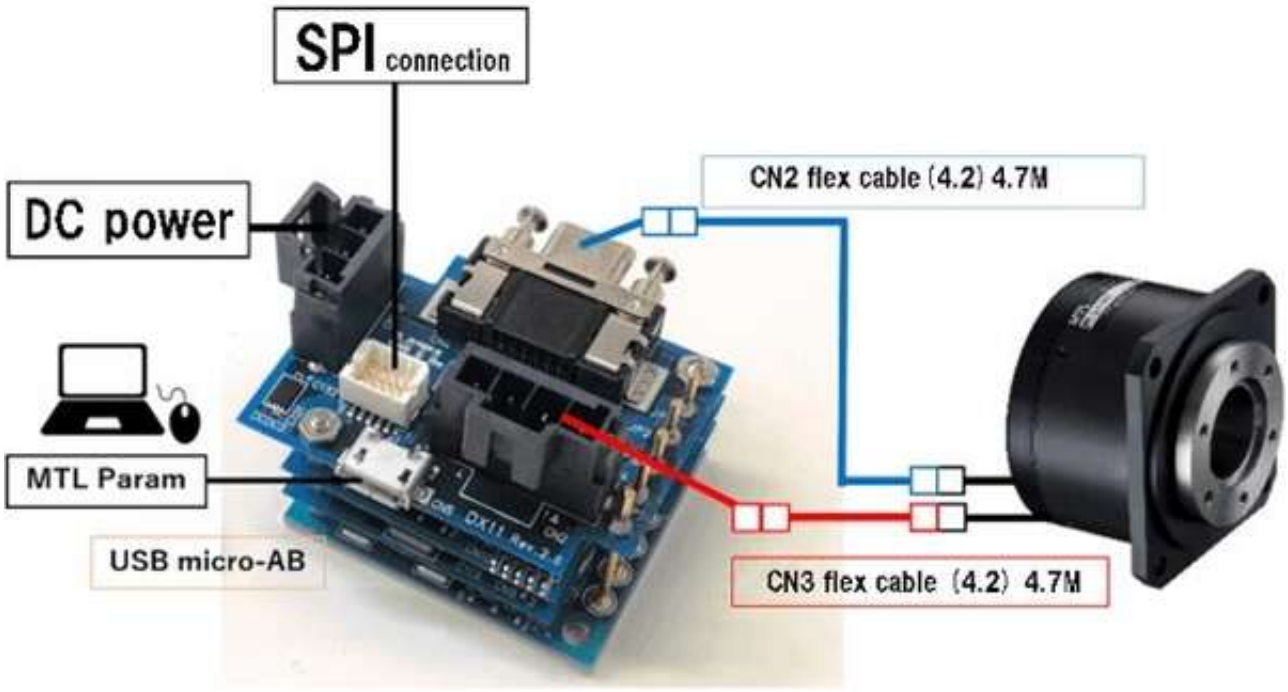
Address

NL

Dynetics B.V.
De Rijn 12
5684 PJ Best
Netherlands

DE

Dynetics GmbH
Klostergasse 6
D-41334 Nettetal-
Kaldenkirchen
Germany



Details

MC-200C-6018 Ultra-small servo driver

sizes MC-200C-6018 (board not include)

sizes MC-200C-6018D(board include)

part nr.:	MC-200C-6018◇ ◇→ Blank□I/F board not included, D□I/F board includ
Supply power	Rated DC48V (DC12V-5%□60V+5□)
Rated output current	3.5 Arms
Peak output current(Less than 1 second)	18 Arms
Drive type	Sine wave PWM drive(50kHz)

Phone

NL
+31 499 371007

DE
+49 2157 128990

Address

NL
Dynetics B.V.
De Rijn 12
5684 PJ Best
Netherlands

DE
Dynetics GmbH
Klostergasse 6
D-41334 Nettetal-
Kaldenkirchen
Germany

Drive method	Position / speed / current control
Protection functions	Overcurrent, overload, Overvoltage, undervoltage, encoder error
Communication functions	USB2.0 micro-AB parameter settiongs, status monitoring, command con
Speed position commands	Planned to handle SPI, USB and soon
Auxiliary signal inputs	Servo ON, alarm, alarm reset
External dimensions	30×35×14 (I/F board not include)?30×35×30max(I/F board include)
Mass	20g (I/F board not include)?30g (I/F board include)
Special Notes	Main circuit (control circuit) non-insulator

Parameter setting, status monitoring, command control are possible. The program function allows each drive control by a driver only.

options:

Software,Manual and CAD (please contact us)

Cable options

- CN2 bent cable(4.2)0.7M Motor cable?Extension between motor and driver (Total1m)
- CN2 bent cable(4.2)2.7M Motor cable?Extension between motor and driver (Total3m
- CN2 bent cable(4.2)4.7M Motor cable?Extension between Motor and driver (Total5m)
- CN3 bent cable(4.2)0.7M Encoder cable : Extension between motor and driver(Total1m)
- CN3 bent cable(4.2)2.7M Encoder cable : Extension between motor and driver(Total3m)
- CN3 bent cable(4.2)4.7M Encoder cable : Extension between motor and driver(Total5m)

Specifications

Product type	driver	**Supplier**	MTL	**AC/DC**	DC
Level	Board	**No of axes**	1	**Bus type**	USB, SPI
Motor phase current	3.5 A	**Driver/Controller**	Driver	**Type of driver**	Universal

This PDF-document has been generated from a selection of the available details from the manufacturer. In case the contents of the PDF-file is incomplete or difficult to read, we apologize for the inconvenience and ask you to contact us (info@dynetics.eu)

All product specific information is provided to Dynetics B.V.("Dynetics") by the manufacturers who are solely responsible for its content and accuracy. Dynetics will not be responsible for typographical or other errors or omissions regarding prices or other information.

Phone

NL
+31 499 371007

DE
+49 2157 128990

Address

NL
Dynetics B.V.
De Rijn 12
5684 PJ Best
Netherlands

DE
Dynetics GmbH
Klostergasse 6
D-41334 Nettetal-Kaldenkirchen
Germany

Phone

NL
+31 499 371007

DE
+49 2157 128990

Address

NL
Dynetics B.V.
De Rijn 12
5684 PJ Best
Netherlands

DE
Dynetics GmbH
Klostergasse 6
D-41334 Nettetal-
Kaldenkirchen
Germany