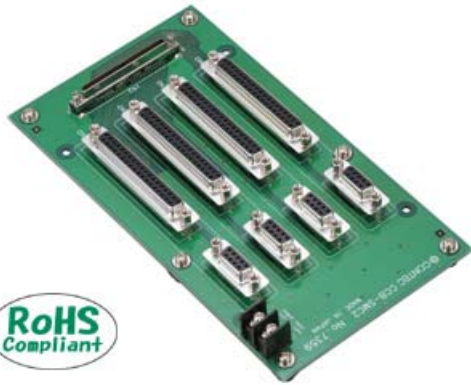


Conversion terminal for SMC series

CCB-SMC2



\* Specifications, color and design of the products are subject to change without notice.

Features

**Capable of connecting up to four motor driver units**

The conversion terminal can accept up to four servomotor or stepping motor driver units.

37pin D-SUB connector which can be easily machined and manufactured.

Optimized in pin-signal assignment for easier connection to the controller connector of the motor driver unit.

**Capable of connecting up to four limit sensors**

The conversion terminal can accept up to four limit sensors.

Providing 9pin D-SUB connectors each with a power output, capable of accepting a sensor which requires power supply.

**Equipped with terminal-screw-type power supply pins**

**Capable of mounting on the DIN rail by using the option**

The DIN rail adapter "DIN-ADP1" is available as an option, which allows the CCB-SMC2 to be mounted on a 35mm DIN rail.

Packing List

- Conversion terminal ...1
- User's guide (this booklet) ...1

**CAUTION**

The option cable is bundled neither with this product nor the board to connect. Since the required option cable depends on each board, check it with the manual for the board or at the CONTEC's web site to purchase the right one.

This product is a conversion terminal capable of easily and appropriately connecting a CONTEC motion control board, motor driver unit and limit sensor with 0.8mm pitch 100pin connector to external devices such as a motor driver unit, limit sensor, and power supply. This product requires a separately priced option cable for connection to the control board.

Specification

Basic specification

Item	Specification
Compatible DIN rail	35mm width
Operating condition	0 - 50°C, 10 - 90%RH (No condensation)
Weight	250g

Interface connector (CN1) specification

Item	Specification
Used connector	100pin 0.8mm pitch connector [F (female) type] HDRA-EC100FDT+ [HONDA TSUSHIN KOGYO CO., LTD.] or equivalence to it
Compatible connector	100pin 0.8mm pitch connector [M (male) type] HDRA-E100LPWC [HONDA TSUSHIN KOGYO CO., LTD.] or equivalence to it

Interface connector (CN2 - CN5) specification

Item	Specification
Used connector	37pin D-SUB connector [F (female) type] DC-37S-T-NR [JAE] or equivalence to it Locknut UNC #4-40 (inch screw threads)
Compatible connector	37pin D-SUB connector [M (male) type] DC-37P-N [JAE] or equivalence to it

Interface connector (CN6 - CN9) specification

Item	Specification
Used connector	9pin D-SUB connector [F (female) type] DE-9S-T-NR [JAE] or equivalence to it Locknut UNC #4-40 (inch screw threads)
Compatible connector	9pin D-SUB connector [M (male) type] DC-9P-N [JAE] or equivalence to it

Power connector (CN10) specification

Terminal connector	ML-40S1BYF by Satoh Parts or equivalence to it	Compatible Y pin	C3A [Nippon Crimp Terminal] or equivalence to it
Dimensions [mm]	<p>Pin screw : M3</p>	Dimensions [mm]	

## Connection Cable (Option)

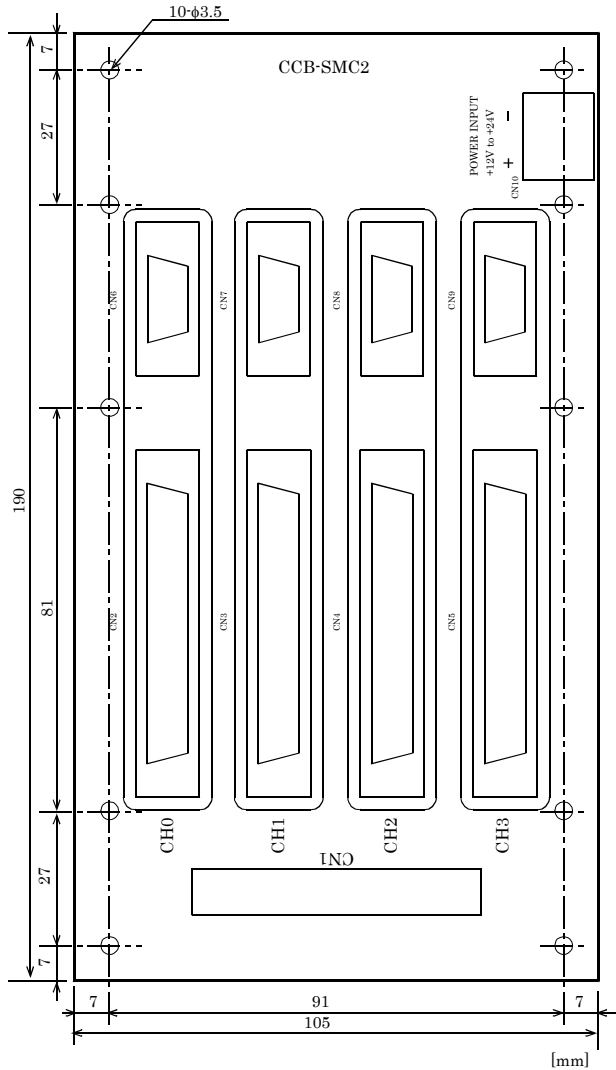
This product is not bundled with a board connection cable. Purchase the appropriate cable depending on the application, selected from among the optional cables listed below.

### Shielded Cable With Two 100pin Connector

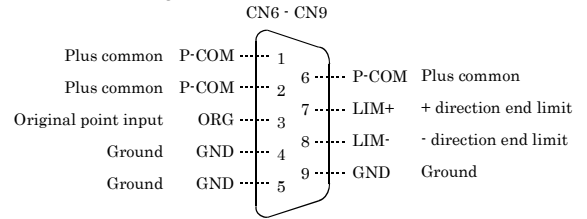
- : PCB100PS-0.5 (0.5m)
- : PCB100PS-1.5 (1.5m)
- : PCB100PS-3 (3m)
- : PCB100PS-5 (5m)

\* Check the CONTEC's Web site for more information on these options.

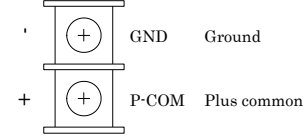
## Physical Dimensions



## Connector Pin Assignment (CN6 - CN9)

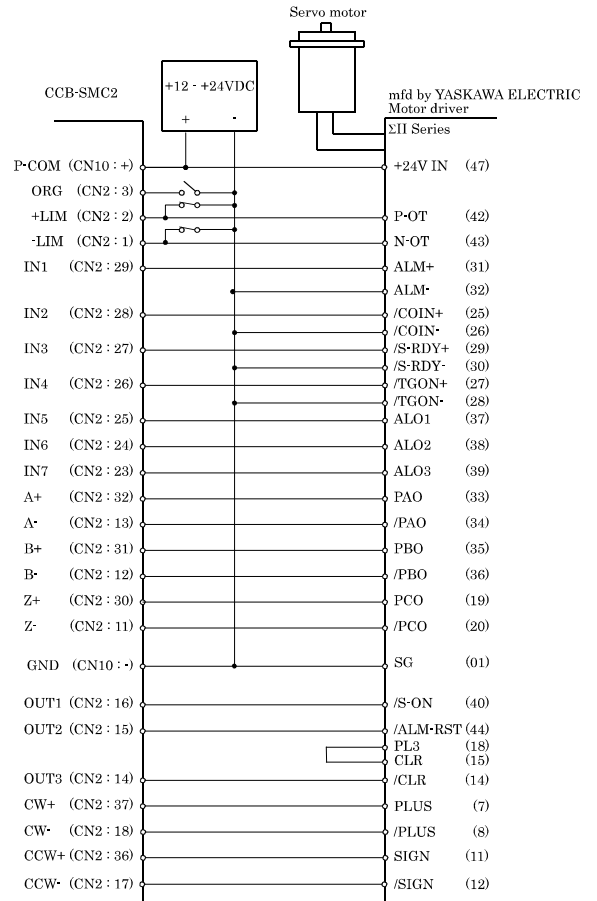


## Connector Pin Assignment (CN10)



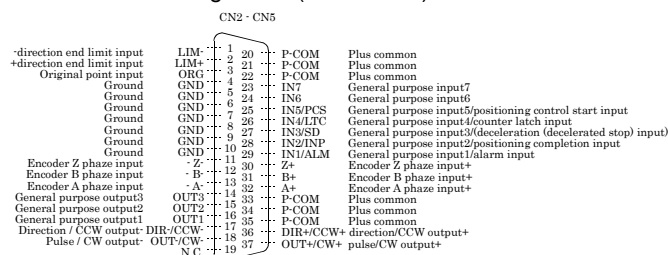
## Connection Examples

Example of Connection to driver unit (Σ II Series) for Servo motor



## Connector Pin Assignment

### Connector Pin Assignment (CN2 - CN5)



## System configuration

