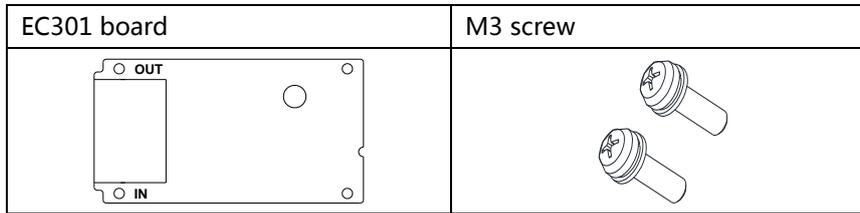
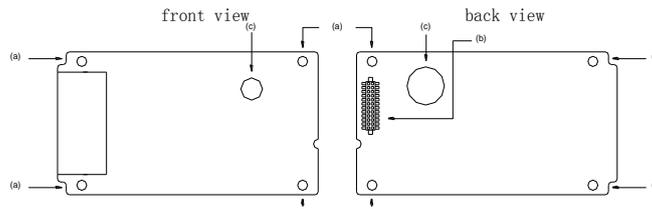


EC301 Installation Instructions

■ Product Confirmation



■ Component Name

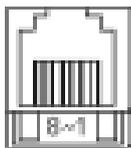


No.	Name	Instructions
a	Mounting	Use M3 screw to install the EC301 board to the inverter
b	Connector	Connect to the inverter
c	Plastic handle	Remove EC301 board

Note:

- 1, Be sure to follow the PCB marked "IN", "OUT" wiring, otherwise, EC301 will not be able to communicate normally.
- 2, When removing EC301 must use the plastic handle (No.c), if force in other locations for removal, easy to cause damage to the connector(No.b).

■ RJ-45 Pin Definition



Terminal form	Terminal name	Function name	Describe
RJ-45	1	Tx+	Send data +
	2	Tx-	Send data -
	3	RX+	Receive data +
	4	---	---
	5	---	---
	6	RX-	Receive data -
	7	---	---
	8	---	---

■ Function and Specification

Connector	RJ-45
Port	2 Port
Transmission	ISO/IEC8802-3
Transmission cable	Category 5e shielding 100M
Transmission rate	100M
Protocol	EtherCAT Protocol

■ **Installation Instructions (SA3)**

Step 1 : As Figure 1 shows, please insert EC301 board into the control board SLOT 1, neither SLOT 2 nor SLOT 3.

Step 2 : Tighten the two M3 screws in the direction shown in Figure 2 with a screwdriver at a torque of 4-6kgf.cm.

Note : 1、 To SA3 Frame A inverters, please remove the plastic parts shown in Figure 3. And it will show as Figure 4 after removing.

2、 When removing EC301 , please first release the two M3 screws, and then lift the plastic handle up by hand.

3、 SA3 Control panel software shall be not less than V0.160.

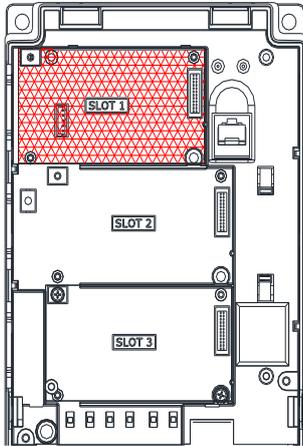


Figure 1

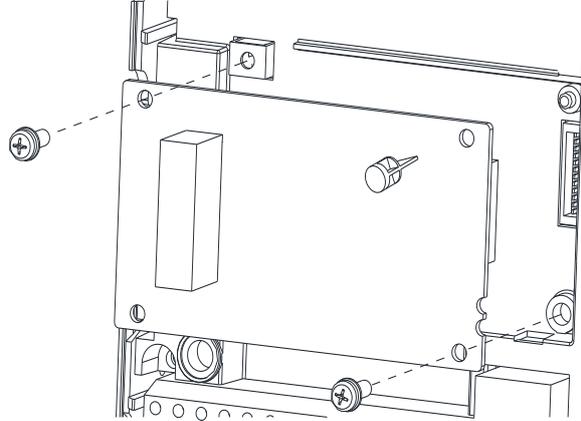


Figure 2

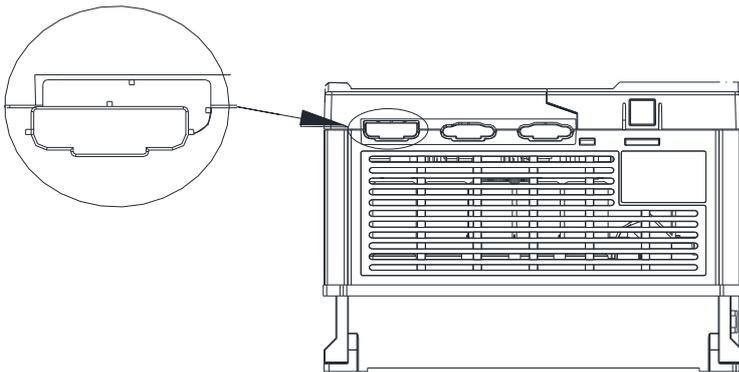


Figure 3

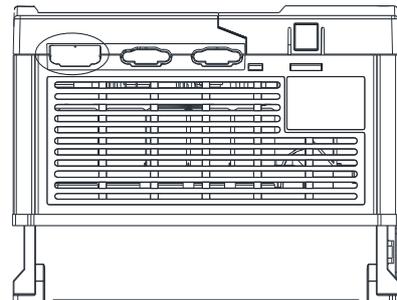


Figure 4

■ **Installation Instructions (SE3)**

Step 1 : Close the inverter power supply.

Step 2 : Open the front cover of the inverter.

Step 3 : Following the figure 1, to assemble the selected card frame into the inverter.

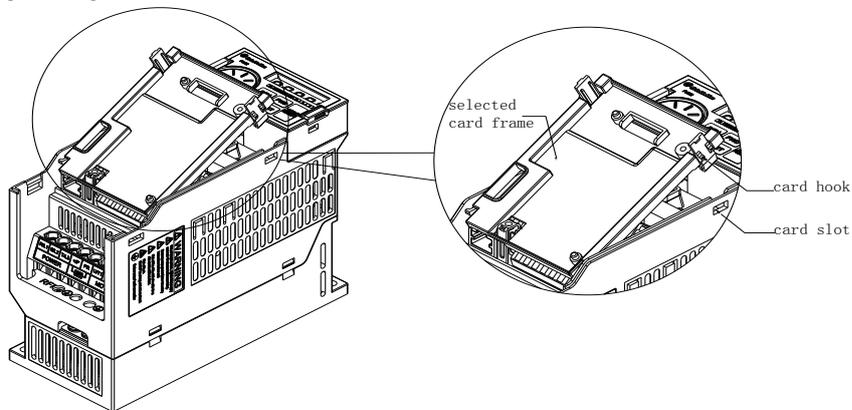


Figure 1

Step 4 : Align EC301 connector with the connector of the control board, press the EC301 down in place.

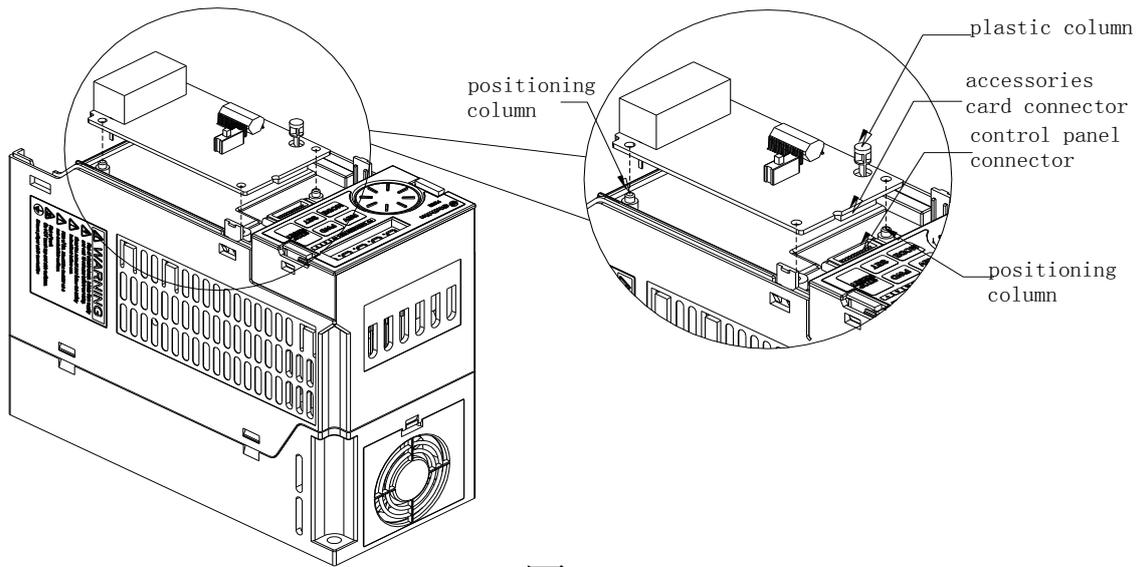


Figure 2

Step 5 : Tighten the two M3 screws in the direction shown in Figure 2 with a screwdriver at a torque of 4-6kgf.cm. Put the cover in place after wiring.

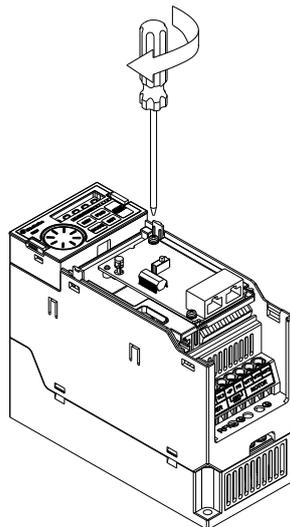


Figure 3

Note : When removing EC301, first release the two M3 screws, and then lift plastic handle up.

■ Installation Instructions (SF3)

Step 1: Insert the EC301 card into the appropriate position of the control panel in the direction shown in Figure 1.
Step 2: Tighten the two M3 screws in the direction shown in Figure 2 with a screwdriver at a torque of 4-6kgf.cm.

Note:

1, For the SF3-A frame inverters, remove the plastic part of the part shown in Figure 3, after removing the plastic part shown in Figure 4.

2, When removing EC301, should first remove the left and right two M3 screws, and then lift the plastic handle up by hand.

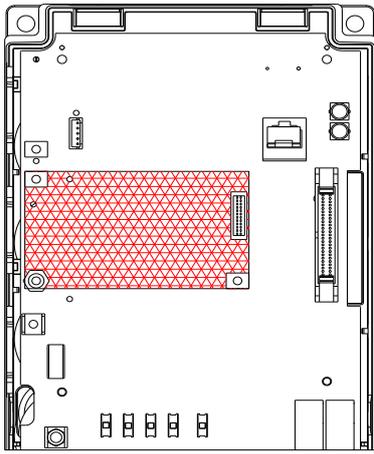


Figure 1

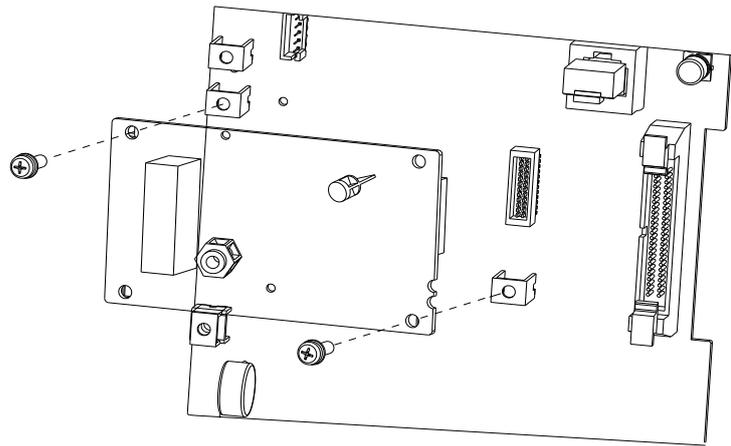


Figure 2

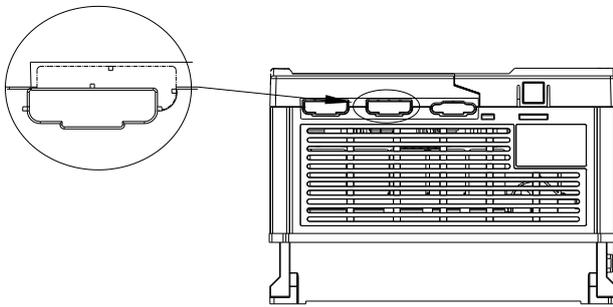


Figure 3

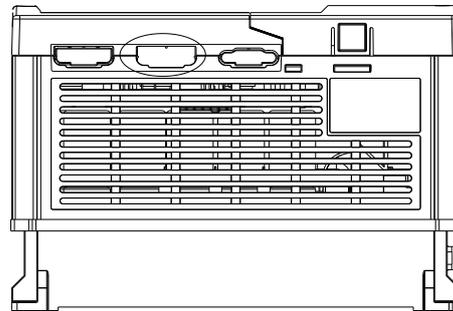


Figure 4

■ **Others**

Please refer to the following official websites for SA3,SE3,SF3 series specifications and catalog references:

<http://automation.seec.com.tw/>

