4   PRINTED CIRCUIT BOARDS

The printed circuit boards are factory-set for operation.   Usually, you do not need to set or adjust them. This chapter describes the standard settings and adjustment required if a defective printed circuit board is replaced.   It also describes the test pins and the LED indications.
The controller printed circuit board includes the main unit printed circuit board and one or more cards or modules installed horizontally to the main-unit printed-circuit board.
These PC boards have interface connectors, LED indicators, and a plastic panel at the front.   At the rear, there is a backplane connector.
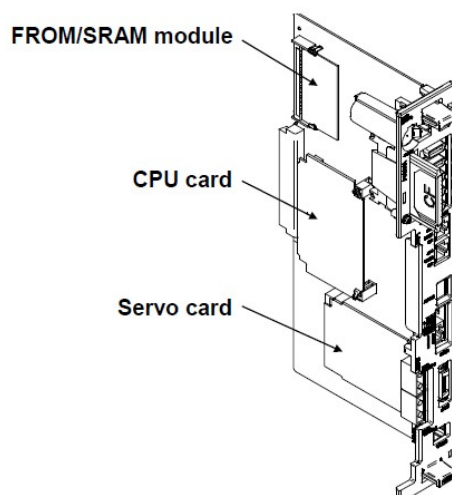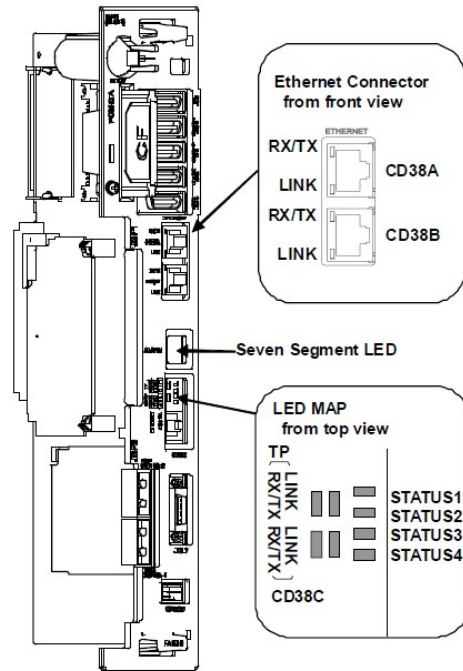
4.1   MAIN BOARD

Card and Modules

FROM/SRAM module

CPU card

Servo card

Fig.4.1 Main board

Name	Ordering Specification	Board Specification	Note
Main board	A05B-2600-H001	A16B-3200-0730	Standard
		A16B-3200-0780	
	A05B-2600-H002	A16B-3200-0731	Option (Force sensor)
		A16B-3200-0781	
	A05B-2600-H003	A16B-3200-0732	Option (Force sensor)
		A16B-3200-0782	(High speed com. CPU)
CPU card	A05B-2600-H020	A20B-3300-0686	Standard / SDRAM 32Mbyte
		A17B-3301-0106	
	A05B-2600-H021	A20B-3300-0687	Standard / SDRAM 64Mbyte
		A17B-3301-0107	
	A05B-2600-H022	A20B-3300-0688	Standard / SDRAM 128Mbyte
		A17B-3301-0108	
	A05B-2600-H023	A20B-3300-0683	High speed / SDRAM 32Mbyte
		A17B-3301-0103	
	A05B-2600-H024	A20B-3300-0684	High speed / SDRAM 64Mbyte
		A17B-3301-0104	
	A05B-2600-H025	A20B-3300-0685	High speed / SDRAM 128Mbyte
		A17B-3301-0105	

Name	Ordering Specification	Board Specification	Note
Axis control card	A05B-2600-H040	A20B-3300-0664	6-axis
		A20B-3300-0774	
	A05B-2600-H041	A20B-3300-0663	12-axis
		A20B-3300-0773	
	A05B-2600-H042	A20B-3300-0662	18-axis
		A20B-3300-0772	
	A05B-2600-H043	A20B-3300-0661	24-axis
		A20B-3300-0771	
	A05B-2600-H044	A20B-3300-0660	36-axis
		A20B-3300-0770	

Name	Ordering Specification	Board Specification	Note
FROM/SRAM module	A05B-2600-H060	A20B-3900-0283	FROM 32M/ SRAM 1M
		A20B-3900-0297	
	A05B-2600-H061	A20B-3900-0284	FROM 32M/ SRAM 2M
		A20B-3900-0298	
	A05B-2600-H062	A20B-3900-0285	FROM 32M/ SRAM 3M
		A20B-3900-0299	
	A05B-2600-H063	A20B-3900-0286	FROM 64M/ SRAM 1M
	A05B-2600-H064	A20B-3900-0287	FROM 64M/ SRAM 2M
	A05B-2600-H065	A20B-3900-0288	FROM 64M/ SRAM 3M
	A05B-2600-H066	A20B-3900-0280	FROM 128M/ SRAM 1M
	A05B-2600-H067	A20B-3900-0281	FROM 128M/ SRAM 2M
	A05B-2600-H068	A20B-3900-0282	FROM 128M/ SRAM 3M

LEDs

Seven segment LED	Description
	When the alarm condition has occurred in the main board, this LED is turned on. Please see the Section 3.7.TROUBLESHOOTING BASED ON LED INDICATIONS.