

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

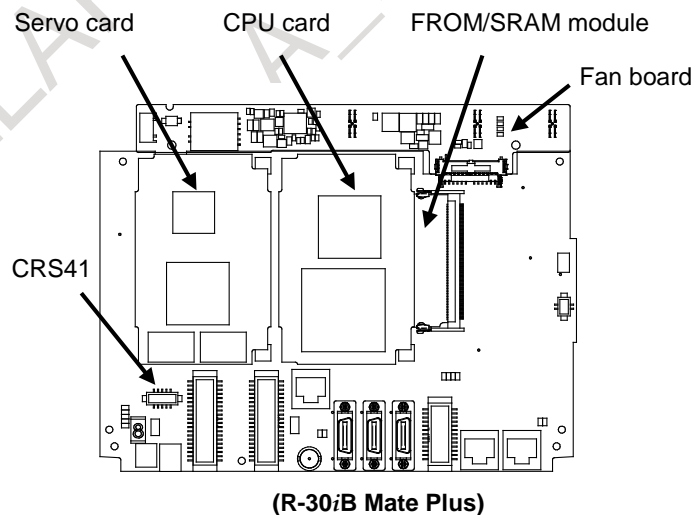
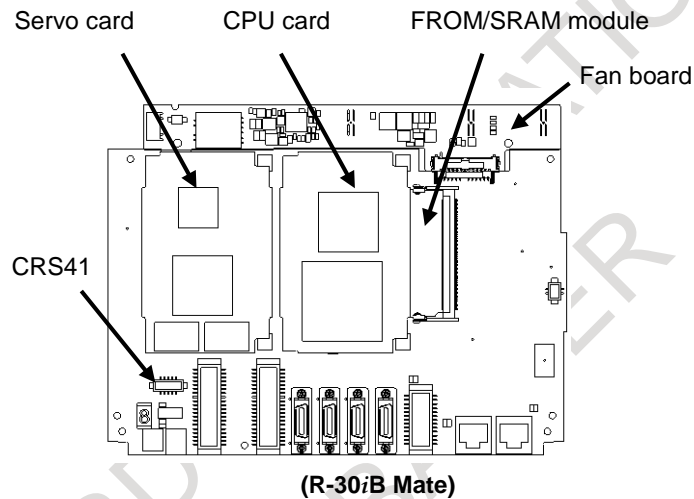


Fig.4.1 (a) Main board

| Name | Ordering Specification | Board Specification | Note |
|--------------------------------------|--------------------------------------|--|---|
| Main board | A05B-2650-H001 | A20B-8200-0790 | Standard, Ethernet:1ch |
| | A05B-2650-H002 | A20B-8200-0791 | Ethernet:2ch, Vision I/F, Force sensor I/F |
| | A05B-2650-H003 | A20B-8200-0792 | Ethernet:2ch, Vision I/F, Force sensor I/F, PMC, HDI |
| | A05B-2650-H004 | A20B-8201-0420 | Standard, Ethernet:1ch For I/O Link <i>i</i> slave |
| | A05B-2650-H005 | A20B-8201-0421 | Ethernet:2ch, Vision I/F, Force sensor I/F For I/O Link <i>i</i> slave |
| | A05B-2650-H006 | A20B-8201-0422 | Ethernet:2ch, Vision I/F, Force sensor I/F, PMC, HDI For I/O Link <i>i</i> slave |
| | A05B-2680-H001 (R-30iB Mate Plus) | A20B-8201-0750 | Standard, Ethernet:1-100BASE, 1-1000BASE For I/O Link <i>i</i> slave |
| | A05B-2680-H002 (R-30iB Mate Plus) | A20B-8201-0751 | Ethernet:2-100BASE, 1-1000BASE, Vision I/F, Force sensor I/F For I/O Link <i>i</i> slave |
| | A05B-2680-H003 (R-30iB Mate Plus) | A20B-8201-0752 | Ethernet:2-100BASE, 1-1000BASE, Vision I/F, Force sensor I/F,PMC, HDI For I/O Link <i>i</i> slave |
| 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 | |
| | A05B-2600-H026 | A17B-3301-0109 | Standard / SDRAM 32Mbyte For I/O Link <i>i</i> slave |
| | A05B-2600-H027 | A17B-3301-0110 | Standard / SDRAM 64Mbyte For I/O Link <i>i</i> slave |
| | A05B-2600-H028 | A17B-3301-0111 | Standard / SDRAM 128Mbyte For I/O Link <i>i</i> slave |
| A05B-2600-H029 | A17B-3301-0112 | High speed / SDRAM 32Mbyte For I/O Link <i>i</i> slave | |
| A05B-2600-H030 | A17B-3301-0113 | High speed / SDRAM 64Mbyte For I/O Link <i>i</i> slave | |
| A05B-2600-H031 | A17B-3301-0114 | High speed / SDRAM 128Mbyte For I/O Link <i>i</i> slave | |
| A05B-2670-H020 (R-30iB Mate Plus) | A17B-3301-0250 | Standard / DRAM 1GB For I/O Link <i>i</i> slave | |

| Name | Ordering Specification | Board Specification | Note |
|--------------------------------------|--------------------------------------|------------------------------------|--------------------|
| Servo 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 | |
| | A05B-2670-H040 (R-30iB Mate Plus) | A20B-3300-0819 | 6-axis |
| | A05B-2670-H041 (R-30iB Mate Plus) | A20B-3300-0818 | 12-axis |
| | A05B-2670-H042 (R-30iB Mate Plus) | A20B-3300-0817 | 18-axis |
| A05B-2670-H043 (R-30iB Mate Plus) | A20B-3300-0816 | 24-axis | |
| A05B-2670-H044 (R-30iB Mate Plus) | A20B-3300-0815 | 36-axis | |
| 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 |
| | A05B-2600-H069 (R-30iB Mate Plus) | A20B-3900-0293 | FROM 256M/ SRAM 1M |
| A05B-2600-H070 (R-30iB Mate Plus) | A20B-3900-0295 | FROM 256M/ SRAM 2M | |
| A05B-2600-H071 (R-30iB Mate Plus) | A20B-3900-0296 | FROM 256M/ SRAM 3M | |
| Fan board | A05B-2650-H001 | A20B-8200-0669 / A20B-8201-0159 | |
| | A05B-2650-H002 | | |
| | A05B-2650-H003 | | |
| | A05B-2680-H001 | | |
| | A05B-2680-H002 | | |
| | A05B-2680-H003 | | |