

## 1. SUMMARY

## 1.1 Summary

This manual describes the specifications and handling of SSCNETⅢ/H compatible position board MR-MC200 series (MR-MC210/MR-MC211/MR-MC220U3/MR-MC220U6/MR-MC240/MR-MC241) and MR-MC300 series (MR-MC341).

In this manual, the following abbreviations are used.

Generic term/Abbreviation	Description
MR-MC2□□	General name for PCI bus compatible position board MR-MC210/MR-MC211/ CompactPCI bus compatible position board MR-MC220U3/MR-MC220U6/ PCI Express bus compatible position board MR-MC240/MR-MC241.
MR-MC3□□	General name for PCI Express bus compatible position board MR-MC341.
Position board	General name for MR-MC2□□ and MR-MC3□□.
Host controller	General name for computer equipped with position board and operates user program.
MR-J4(W□)-□B	Servo amplifier model MR-J4-□B/MR-J4W□-□B.
MR-J3(W)-□B	Servo amplifier model MR-J3-□B/MR-J3W-□B.
MR-JE-□B(F)	Servo amplifier model MR-JE-□B/MR-JE-□BF.
Servo amplifier	General name for SSCNETⅢ/H compatible servo amplifier.
Utility software	General name for the Position Board Utility2 (MRZJW3-MC2-UTL) which includes test tool for start-up and examination, and the API library for position board.
Test tool	Abbreviation for start-up and examination tool for position board.
API library	General name for the library of functions for positioning control that the host controller uses to control the position board.
MR Configurator2	Abbreviation for the Servo set-up software MR Configurator2 version 1.10L or later.
User program	Program created by the user that operates on the host controller.
System program	Internal program that controls the position board.
SSCNETⅢ/H(Note)	High-speed synchronized network between the position board and the servo amplifier.
SSCNETⅢ(Note)	
SSCNETⅢ(/H)(Note)	
Board Ver.	System version of position board.
API Ver.	Software version of the API library for position board.
Remote I/O module	General name for modules that connect I/O modules and intelligent function modules to SSCNETⅢ/H, including the sensing module and SSCNETⅢ/H head module.
SSCNETⅢ/H head module	General name for MELSEC L series SSCNETⅢ/H head module (LJ72MS15).
Sensing module	General name for SSCNETⅢ/H compatible sensing module MR-MT2000 series
Sensing SSCNETⅢ/H head module or MR-MT2010	Abbreviation for SSCNETⅢ/H head module (MR-MT2010)
Sensing extension module	General name for I/O module (MR-MT2100), pulse I/O module (MR-MT2200), analog I/O module (MR-MT2300), encoder I/F module (MR-MT2400)
Sensing I/O module or MR-MT2100	Abbreviation for I/O module (MR-MT2100)
Sensing pulse I/O module or MR-MT2200	Abbreviation for pulse I/O module (MR-MT2200)
Sensing analog I/O module or MR-MT2300	Abbreviation for analog I/O module (MR-MT2300)
Sensing encoder I/F module or MR-MT2400	Abbreviation for encoder I/F module (MR-MT2400)
Remote register (RWr)	Information for inputting to the position board from the sensing module, and SSCNETⅢ/H head module in a 16-bit (1 word) basis.
Remote register (RWw)	Information for outputting to the sensing module, and SSCNETⅢ/H head module from the position board in a 16-bit (1 word) basis.
Remote input (RX)	Information input from the sensing module, and SSCNETⅢ/H head module to the position board in a 1-bit basis.