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RENESAS TECHNICAL UPDATE

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Product Category	MPU & MCU		Document No.	TN-16C-A221A/E	Rev.	1.00
Title	Descriptions Changed in the M16C/65, M16C/64A, M16C/65C, and M16C/64C Groups Manual		Information Category	Technical Notification		
Applicable Product	M16C/65, M16C/64A, M16C/65C, and M16C/64C Groups	Lot No. —	Reference Document	User's Manual: Hardware (see below)		

Some specifications of the M16C/65, M16C/64A, M16C/65C, and M16C/64C Groups have been changed. MCU usage and setting procedures have also been added or changed.

➔: Indicates the titles in the following manuals.
M16C/65 Group User's Manual: Hardware Rev.2.10
M16C/64A Group User's Manual: Hardware Rev.2.10
M16C/65C Group User's Manual: Hardware Rev.1.10
M16C/64C Group User's Manual: Hardware Rev.1.10

1. Bus

➔ 11.3.5.7 BCLK Output

When in memory expansion mode, the value output from the P3_0 pin is not A8, but an undefined value.

Table 11.8 Pin Functions for Each Processor Mode

Processor Mode	Memory Expansion Mode or Microprocessor Mode				Memory Expansion Mode
Bits PM05 to PM04	00b (separate bus)		01b ($\overline{CS2}$ is for multiplexed bus and the others are for separate bus) 10b ($\overline{CS1}$ is for multiplexed bus and the others are for separate bus)		11b (the entire $\overline{CS}$ space is for multiplexed bus)
Data bus width BYTE Pin	8 bits High	16 bits Low	8 bits High	16 bits Low	8 bits High
(omission)					
P3_0	A8	A8	A8	A8/D7	**Undefined value is output (1)**
(omissiD					

Note:
1. The change is indicated in bold text.

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2. Remote Control Signal Receiver

➔ 22.3.3 Pattern Match Mode (Combined Operation of PMC0 and PMC1) and 22.5.4 Combined Operation
When using combined operation, set same value to bits TYP1 to TYP0 in the PMC0CON1 register and bits TYP1 to TYP0 in the PMC1CON1 register.

Table 22.12 (M16C/65 and M16C/64A) Table 22.13 (M16C/65C and M16C/64C)
Registers and Setting Values in Pattern Match Mode (Combined Operation) (1/2)

Register	Bit	Function	
		PMC0	PMC1
(omission)			
PMCiCON1	TYP0 TYP1	Select measuring object.	Select measuring object. **Set the same value as PMC0.** (1)
(omission)			

Note:
1. The change is indicated in bold text.