

To our customers,

Old Company Name in Catalogs and Other Documents

On April 1st, 2010, NEC Electronics Corporation merged with Renesas Technology Corporation, and Renesas Electronics Corporation took over all the business of both companies. Therefore, although the old company name remains in this document, it is a valid Renesas Electronics document. We appreciate your understanding.

Renesas Electronics website: <http://www.renesas.com>

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Renesas Electronics Corporation

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Table 1 Mode Command Setting

H8S/2655 Series:

Item	Target Device	
	H8S/2653	H8S/2655
CPU MODE	2	2
OPERATION MODE	1 to 7	1 to 7
MODE SET	1 or 2	1 or 2
PIN MODE	4	4
INTERNAL ROM SIZE	3 (64 kbytes)	5 (128 kbytes)
INTERNAL RAM SIZE	4 (4 kbytes)	4 (4 kbytes)
ADC MODE	2	2
DMAC MODE	2	2
REFRESH MODE	2	2
SCI CHANNEL	2	2
16BIT TIMER MODE	2	2
MCU	1	1

Note: Capacity of internal ROM and internal RAM may be changed. Refer to the latest hardware manual of each device.

H8S/2345 Series:

Item	Target Device	
	H8S/2343	H8S/2345
CPU MODE	1	1
OPERATION MODE	1 to 7	1 to 7
MODE SET	1 or 2	1 or 2
PIN MODE	2	2
INTERNAL ROM SIZE	3 (64 kbytes)	5 (128 kbytes)
INTERNAL RAM SIZE	2 (2 kbytes)	4 (4 kbytes)
ADC MODE	1	1
DMAC MODE	1	1
REFRESH MODE	1	1
SCI CHANNEL	1	1
16BIT TIMER MODE	2	2
MCU	2	2

Note: Capacity of internal ROM and internal RAM may be changed. Refer to the latest hardware manual of each device.

Table 1 Mode Command Setting (cont)

H8S/2245 Series (cont):

Item	Target Device		
	H8S/2240	H8S/2241R	H8S/2242
CPU MODE	1	1	1
OPERATION MODE	1, 4, or 5	1 to 7	1 to 7
MODE SET	1 or 2	1 or 2	1 or 2
PIN MODE	6	6	6
INTERNAL ROM SIZE	1 (0 kbytes)	2 (32 kbytes)	2 (32 kbytes)
INTERNAL RAM SIZE	4 (4 kbytes)	4 (4 kbytes)	6 (8 kbytes)
ADC MODE	1	1	1
DMAC MODE	1	1	1
REFRESH MODE	1	1	1
SCI CHANNEL	2	2	2
16BIT TIMER MODE	1	1	1
MCU	2	2	2

Note: Capacity of internal ROM and internal RAM may be changed. Refer to the latest hardware manual of each device.

H8S/2245 Series (cont):

Item	Target Device			
	H8S/2243	H8S/2244	H8S/2245	H8S/2246
CPU MODE	1	1	1	1
OPERATION MODE	1 to 7	1 to 7	1 to 7	1 to 7
MODE SET	1 or 2	1 or 2	1 or 2	1 or 2
PIN MODE	6	6	6	6
INTERNAL ROM SIZE	3 (64 kbytes)	3 (64 kbytes)	5 (128 kbytes)	5 (128 kbytes)
INTERNAL RAM SIZE	4 (4 kbytes)	6 (8 kbytes)	4 (4 kbytes)	6 (8 kbytes)
ADC MODE	1	1	1	1
DMAC MODE	1	1	1	1
REFRESH MODE	1	1	1	1
SCI CHANNEL	2	2	2	2
16BIT TIMER MODE	1	1	1	1
MCU	2	2	2	2

Note: Capacity of internal ROM and internal RAM may be changed. Refer to the latest hardware manual of each device.

Table 1 Mode Command Setting (cont)

H8S/2350 Series:

Item	Target Device	
	H8S/2350	H8S/2351
CPU MODE	1	1
OPERATION MODE	1, 4, or 5	1 to 7
MODE SET	1 or 2	1 or 2
PIN MODE	4	4
INTERNAL ROM SIZE	1 (0 kbytes)	3 (64 kbytes)
INTERNAL RAM SIZE	2 (2 kbytes)	2 (2 kbytes)
ADC MODE	1	1
DMAC MODE	2	2
REFRESH MODE	2	2
SCI CHANNEL	1	1
16BIT TIMER MODE	2	2
MCU	2	2

Note: Capacity of internal ROM and internal RAM may be changed. Refer to the latest hardware manual of each device.

H8S/2355 Series:

Item	Target Device	
	H8S/2353	H8S/2355
CPU MODE	1	1
OPERATION MODE	1 to 7	1 to 7
MODE SET	1 or 2	1 or 2
PIN MODE	4	4
INTERNAL ROM SIZE	3 (64 kbytes)	5 (128 kbytes)
INTERNAL RAM SIZE	2 (2 kbytes)	4 (4 kbytes)
ADC MODE	1	1
DMAC MODE	1	1
REFRESH MODE	1	1
SCI CHANNEL	2	2
16BIT TIMER MODE	2	2
MCU	2	2

Note: Capacity of internal ROM and internal RAM may be changed. Refer to the latest hardware manual of each device.

Table 1 Mode Command Setting (cont)

H8S/2357 Series:

Item	Target Device
	H8S/2357
CPU MODE	1
OPERATION MODE	1 to 7
MODE SET	1 or 2
PIN MODE	4
INTERNAL ROM SIZE	5 (128 kbytes)
INTERNAL RAM SIZE	6 (8 kbytes)
ADC MODE	1
DMAC MODE	2
REFRESH MODE	2
SCI CHANNEL	2
16BIT TIMER MODE	2
MCU	2

Note: Capacity of internal ROM and internal RAM may be changed. Refer to the latest hardware manual of each device.