

RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RA*-A0010A/E	Rev.	1.00
Title	RA6M1, RA6M2, RA6M3 Errata for User's Manual: Hardware for I/O port		Information Category	Technical Notification		
Applicable Product	RA6M1 Group RA6M2 Group RA6M3 Group	Lot No.	Reference Document	RA6M1 Group User's Manual Hardware Rev.1.00 RA6M2 Group User's Manual Hardware Rev.1.00 RA6M3 Group User's Manual Hardware Rev.1.00		
		All				

The following descriptions should be changed.

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Table 20.2 I/O port functions

Port	Port name	Input pull-up	Open-drain output	Drive capacity switching	5 V tolerant
PORT0	P000 to P007	-	-	-	-
	P008, P014, P015	✓	✓	-	-
PORT1	P100 to P115	✓	✓	Low, middle, high	-
PORT2	P200	✓	-	-	-
	P201	✓	✓	-	-
	P205, P206	✓	✓	Low, middle, high	✓
	P207 to P214	✓	✓	Low, middle, high	-
PORT3	P300 to P307	✓	✓	Low, middle, high	-
PORT4	P400, P401, P407 to P415	✓	✓	Low, middle, high	✓
	P402 to P406	✓	✓	Low, middle, high	-
PORT5	P500 to P504, P508	✓	✓	Low, middle, high	-
PORT6	P600 to P602, P608 to P610 *	✓	✓	Low, middle, high	-
PORT7	P708	✓	✓	Low, middle, high	✓

✓: Available

* When P602 is set to EBCLK (PmnPFS.PSEL[4:0] are set to 01011b), the drive capacity of P602 is set high.

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Table 20.2 I/O port functions

Port	Port name	Input pull-up	Open-drain output	Drive capacity switching	5 V tolerant
PORT0	P000 to P009, P014, P015	✓	✓	-	-
PORT1	P100 to P115	✓	✓	Low, middle, high	-
PORT2	P200	✓	-	-	-
	P201	✓	✓	-	-
	P202 to P204, P207 to P214	✓	✓	Low, middle, high	-
	P205, P206	✓	✓	Low, middle, high	✓
PORT3	P300 to P313	✓	✓	Low, middle, high	-
PORT4	P400, P401, P407 to P415	✓	✓	Low, middle, high	✓
	P402 to P406	✓	✓	Low, middle, high	-
PORT5	P500 to P506, P508	✓	✓	Low, middle, high	-
	P511, P512	✓	✓	Low, middle, high	✓
PORT6	P600 to P605, P608 to P614 *	✓	✓	Low, middle, high	-
PORT7	P700 to P705	✓	✓	Low, middle, high	-
	P708 to P713	✓	✓	Low, middle, high	✓
PORT8	P800, P801	✓	✓	Low, middle, high	-

✓: Available

* When P602 is set to EBCLK/SDCLK (PmnPFS.PSEL[4:0] are set to 01011b), the drive capacity of P602 is set high.

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Table 20.2 I/O port functions

Port	Port name	Input pull-up	Open-drain output	Drive capacity switching	5-V tolerant
Port 0	P000 to P007	-	-	-	-
	P008 to P011, P014, P015	✓	✓	-	-
Port 1	P100 to P115	✓	✓	Low, middle, high	-
Port 2	P200	✓	-	-	-
	P202 to P204, P207	✓	✓	Low, middle, high	-
	P205, P206	✓	✓	Low, middle, high	✓
	P201, P212, P213	✓	✓	-	-
Port 3	P300 to P315	✓	✓	Low, middle, high	-
Port 4	P400, P401	✓	✓	-	✓
	P402 to P404	✓	✓	Low, middle	-
	P405 to P406	✓	✓	Low, middle, high	-
	P407	✓	✓	Low, middle, high	✓
	P408 to P415	✓	✓	Low, middle, high	✓
Port 5	P500 to P510, P513 to P515	✓	✓	Low, middle, high	-
	P511, P512	✓	✓	-	✓
Port 6	P600 to P615 *	✓	✓	Low, middle, high	-
Port 7	P700 to P707	✓	✓	Low, middle, high	-
	P708 to P713	✓	✓	Low, middle, high	✓
Port 8	P800 to P813	✓	✓	Low, middle, high	-
Port 9	P900 to P915	✓	✓	Low, middle, high	-
Port A	PA00 to PA15	✓	✓	Low, middle, high	-
Port B	PB00, PB02 to PB07	✓	✓	Low, middle, high	-
	PB01	✓	✓	Low, middle, high	✓

✓: Available

* When P602 is set to EBCLK/SDCLK (PmnPFS.PSEL[4:0] are set to 01011b), the drive capacity of P602 is set high.