

# RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-SY*-A0057A/E	Rev.	1.00
Title	S5D3, S5D5, S5D9 Errata for User's Manual: Hardware for I/O port		Information Category	Technical Notification		
Applicable Product	Renesas Synergy™ S5D3 MCU Group	Lot No.	Reference Document	S5D3 Microcontroller Group User's Manual Rev.1.10 S5D5 Microcontroller Group User's Manual Rev.1.30 S5D9 Microcontroller Group User's Manual Rev.1.30		
	Renesas Synergy™ S5D5 MCU Group Renesas Synergy™ S5D9 MCU Group	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.