

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>

April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

Send any inquiries to <http://www.renesas.com/inquiry>.

RENESAS TECHNICAL UPDATE

Nippon Bldg., 2-6-2, Ohte-machi, Chiyoda-ku, Tokyo 100-0004, Japan
Renesas Technology Corp.

Product Category	MPU&MCU		Document No.	TN-H8*-A350A/E	Rev.	1.00
Title	The error Correction about H8S/2368 series		Information Category	Technical Notification		
Applicable Product	H8S/2368 group	Lot No.	Reference Document	H8S/2368 group, Hardware Manual (REJ09B0050-0500 Rev.5.00)		
		All				

Thank you for your consistent patronage of Renesas semiconductor products.

We would like to inform you of the following corrections of SCI in the H8S/2368 Group Hardware Manual.

1. Table14.3 BBR Settings for Various Bit Rates(Asynchronous Mode)

Bit Rate (bit/s)	Operating Frequency ϕ (MHz)											
	8			9.8304			10			12		
	n	N	Error (%)	n	N	Error (%)	n	N	Error (%)	n	N	Error (%)
110	2	141	0.03	2	174	-0.26	2	177	-0.25	2	212	0.03
150	2	103	0.16	2	127	0.00	2	129	0.16	2	155	0.16
300	1	207	0.16	1	255	0.00	2	64	0.16	2	77	0.16
600	1	103	0.16	1	127	0.00	1	129	0.16	1	155	0.16
1200	0	207	0.16	0	255	0.00	1	64	0.16	1	77	0.16
2400	0	103	0.16	0	127	0.00	0	129	0.16	0	155	0.16
4800	0	51	0.16	0	63	0.00	0	64	0.16	^	77	0.16
9600	0	25	0.16	0	31	0.00	0	32	1.38	-1.36	38	0.16
19200	0	12	0.16	0	15	0.00	^	15	1.70	1.73	19	2.46
31250	0	7	0.00	0	9	1.73	-1.70	0	0.00	--	11	0.00
38400	—	—	—	0	7	0.00	0	7	1.70	1.73	9	2.46

Bit Rate (bit/s)	Operating Frequency ϕ (MHz)											
	12.288			14			14.7456			16		
	n	N	Error (%)	n	N	Error (%)	n	N	Error (%)	n	N	Error (%)
110	2	217	0.08	2	248	-0.17	3	64	0.69	3	70	0.03
150	2	159	0.00	2	181	0.16	2	191	0.00	2	207	0.16
300	2	79	0.00	2	90	0.16	2	95	0.00	2	103	0.16
600	1	159	0.00	1	181	0.16	1	191	0.00	1	207	0.16
1200	1	79	0.00	1	90	0.16	1	95	0.00	1	103	0.16
2400	0	159	0.00	0	181	0.16	0	191	0.00	0	207	0.16
4800	0	79	0.00	0	90	0.16	-	95	0.00	0	103	0.16
9600	0	39	0.00	0	45	0.94	-0.93	7	0.00	0	51	0.16
19200	0	19	0.00	^	22	0.94	-0.93	1	0.00	^	5	0.16
31250	0	11	2.34	2.40	13	0.00	v	14	1.73	-1.70	5	0.00
38400	0	9	0.00	—	—	—	0	11	0.00	0	12	0.16

Bit Rate (bit/s)	Operating Frequency ϕ (MHz)											
	17.2032			18			19.6608			20		
	n	N	Error (%)	n	N	Error (%)	n	N	Error (%)	n	N	Error (%)
110	3	75	0.48	3	79	-0.12	3	88	0.31	3	88	-0.25
150	2	223	0.00	2	233	0.16	2	255	0.00	3	64	0.16
300	2	111	0.00	2	116	0.16	2	127	0.00	2	129	0.16
600	1	223	0.00	1	233	0.16	1	255	0.00	2	64	0.16
1200	1	111	0.00	1	116	0.16	1	127	0.00	1	129	0.16
2400	0	223	0.00	0	233	0.16	0	255	0.00	1	64	0.16
4800	0	111	0.00	0	116	0.16	0	127	0.00	0	129	0.16
9600	0	55	0.00	0	58	-0.89	0	63	0.00	0	64	0.16
19200	0	27	0.00	0	28	-1.01 1.02	0	31	0.00	0	32	-1.38 -1.36
31250	0	16	1.20	0	17	0.00	0	19	-1.73 -1.70	0	19	0.00
38400	0	13	0.00	0	14	-2.46 -2.34	0	15	0.00	0	15	-1.70 1.73

Bit Rate (bit/s)	Operating Frequency ϕ (MHz)											
	25			30			33			34 ^{*1}		
	n	N	Error (%)	n	N	Error (%)	n	N	Error (%)	n	N	Error (%)
110	3	110	-0.02	3	132	0.13	3	145	0.33	3	150	-0.05
150	3	80	0.47	3	97	-0.35	3	106	0.39	3	110	-0.29
300	2	162	-0.15	2	194	0.16	2	214	-0.07	2	220	0.16
600	2	80	0.47	2	97	-0.35	2	106	0.39	2	110	-0.29
1200	1	162	-0.15	1	194	0.16	1	214	-0.07	1	220	0.16
2400	1	80	0.47	1	97	-0.35	1	106	0.39	1	110	-0.29
4800	0	162	-0.15	0	194	0.16	0	214	-0.07	0	220	0.16
9600	0	80	0.47	0	97	-0.35	0	106	0.39	0	110	-0.29
19200	0	40	-0.76	0	48	-0.35	0	53	-0.54	0	54	-0.61 0.62
31250	0	24	0.00	0	29	0.00	0	32	0.00	0	33	0.00
38400	0	19	-1.70 1.73	0	23	1.70	0	26	-0.54	0	27	-1.20 -1.18