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)

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Date: Nov.15.2006

RENESAS TECHNICAL UPDATE

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Product Category	MPU&MCU		Document No.	TN-H8*-A349A/E	Rev.	1.00		
Title	The error Correction about H8S/2378 series		Information Category	Technical Notification				
		Lot No.						
Applicable Product	H8S/2378 group, H8S/2378R group	All	Reference Document	H8S/2378 group, H8S/2378R group Hardware Manual (REJ09B0109-0600 Rev.6.00)				

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/2378 Group and H8S/2378R Group Hardware Manual.

1. Table15.3 BBR Settings for Various Bit Rates(Asynchronous Mode)

Operating	g Frequenc	y 🌢 (MHz)
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		8			9.830	4		10			12		
Bit Rate (bit/s)	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	٥	77	0.16	_
9600	0	25	0.16	0	31	0.00	0	32	-1.38	-1.36	В	0.16	-
19200	0	12	0.16	0	15	0.00	٥	15	1.70	1.73	9	2.40	-2.34
31250	0	7	0.00	0	9	=1.73	-1.70		0.00		.1	0.00	
38400				0	7	0.00	U	-	1.70	1.73	9	-2.40	-2.34

Operating Frequency (MHz)

	12.288				14			14.74	56	16		
Bit Rate (bit/s)	n	N	Error (%)	n	N	Error (%)	n	N	Error (%)	n	N	Error (%)
110	2	217	80.0	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	-		0.00	0	103	0.16
9600	0	39	0.00	0	45	-0.94	-0.93		0.00	0	51	0.16
19200	0	19	0.00	n	22	-0.94	-0.93	_	0.00	^	26	0.16
31250	0	11	2.34	2.40	13	0.00	0	14	-1.73	-1.7	0	0.00
38400	0	9	0.00				0	11	0.00	v	14	0.16

Operating Frequency (MHz)

		17.2032			18			19.6608			20		
Bit Rate (bit/s)	n	N	Error (%)	n	N	Error (%)	n	N	Error (%)	n	N	Error (%)	
110	3	75	0.48	3	79	~0.12	3	86	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	265	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	٥	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	~0.69	0	63	0.00	0	64	0.16	_
19200	0	27	0.00	0	28	1.01	1.02	31	0.00	0	32	-1.38	-1.36
31250	0	16	1.20	0	17	0:00	٥	19	1.73	-1.70	19	0.00	
38400	0	13	0.00	0	14	-2.40	-2.34	15	0.00	٥	15	1.70	1.73

Operating Frequency (MHz)

	_	25			30			33			34*1		
Bit Rate (bit/s)	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	
4600	0	162	~0.15	0	194	0.16	٥	214	~0.07	0	220	0.16	
9600	0	80	0.47	0	97	~0.35	٥	106	0.39	0	110	~0.29	
19200	0	40	-0.76	0	48	⊶0.35	0	53	~0.54	٥	54	0.6 0.6	
31250	0	24	0.00	0	29	0.00	0	32	0.00	٥	33	0.00	
38400	0	19	1.70	1.73	23	1.70	0	26	~0.54	0	27	=1.20 =-1.1	

Operating
Frequency ф (MHz)
4.472

		35*2		
Bit Rate (bit/s)	n	N	Error (%)	
110	3	154	0.23	
150	3	113	~0.06	
300	2	227	~0.06	
600	2	113	~0.06	
1200	1	227	~0.06	
2400	1	113	-0.06	
4800	0	227	~0.06	
9600	0	113	~0.06	
19200	0	58	~0.06	
31250	0	34	0.00	
38400	0	27 =	1.70	1.73

Notes: 1. Supported on the H8S/2378 0.18μm F-ZTAT Group and H8S/2378R 0.18μm F-ZTAT Group only.

2. Supported on the H8S/2378 only.