

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

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

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HITACHI MICROCOMPUTER TECHNICAL UPDATE

DATE	27 July 2000	No.	TN-H8*-179A/E
THEME	Supplement and change of " H8/3857 Series, H8/3854 Series Hardware Manual "		
CLASSIFICATION	<input checked="" type="checkbox"/> Spec change <input type="checkbox"/> Limitation on Use <input checked="" type="checkbox"/> Supplement of Documents		
PRODUCTNAME	H8/3857series,H8/3854series	Lot No.etc	All Lot
REFERENCE DOCUMENTS	H8/3857 Series, H8/3854 Series Hardware Manual(ADE-602-175A)	Rev.	Effective Date Eternal
		2	From now

We would like to correct the H8/3857 and H8/3854 series hardware manual about that we have changed the spec of electrical characteristics, corrected of documents and added notes.

-Note-

1. In table 4.2(page 98), the minimum operation voltage (Vcc) is changed from 3.0V to 2.7V for the mask ROM version of H8/3852, H8/3853 and H8/3854.

Current (**Vcc = 3.0 V to 5.5 V**,.....

Corrected (**Vcc = 2.7 V to 5.5 V of the mask ROM version of H8/3852, H8/3853 and H8/3854 , Vcc = 3.0V to 5.5V of H8/3854F and H8/3857 series**,....

2. The note of the guaranteed temperature is corrected In the list below.

The list of corrected notes

No.	Page of Hardware Manual	Table No.	Note No.
1	98	Table 4.2	*
2	411	Table 15.2	4
3	412	Table 15.3	2
4	414	Table 15.4	3
5	415	Table 15.5	*
6	416	Table 15.6	*
7	417	Table 15.7	4
8	418	Table 15.8	4
9	419	Table 15.9	2
10	431	Table 16.2	4
11	432	Table 16.3	2
12	434	Table 16.4	3
13	435	Table 16.5	*
14	436	Table 16.6	*
15	437	Table 16.7	2

Current Note: The guaranteed temperature as an electrical characteristic for **shipped** products is 75 °C.

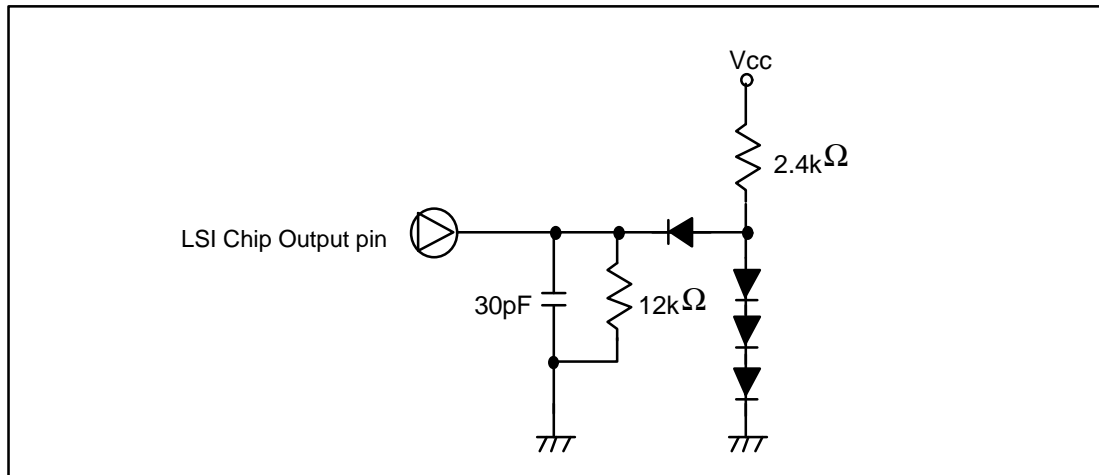
Corrected Note: The guaranteed temperature as an electrical characteristic for **die type** products is 75 °C.

3. In figure 15.10 (page 424), the resistance is corrected.

Current

Omission

Corrected



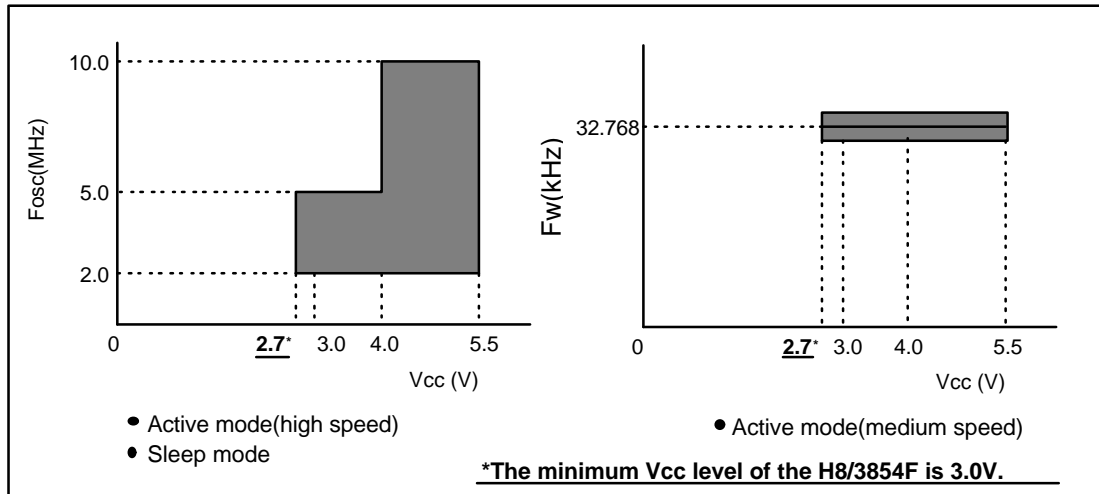
4. In the figure of 16.2 (1) to (3), the minimum operation voltage (V_{cc}) is changed from 3.0V to 2.7V for the mask ROM version.

(1) Power Supply Voltage vs. Oscillator Frequency Range (page 426)

Current

Omission

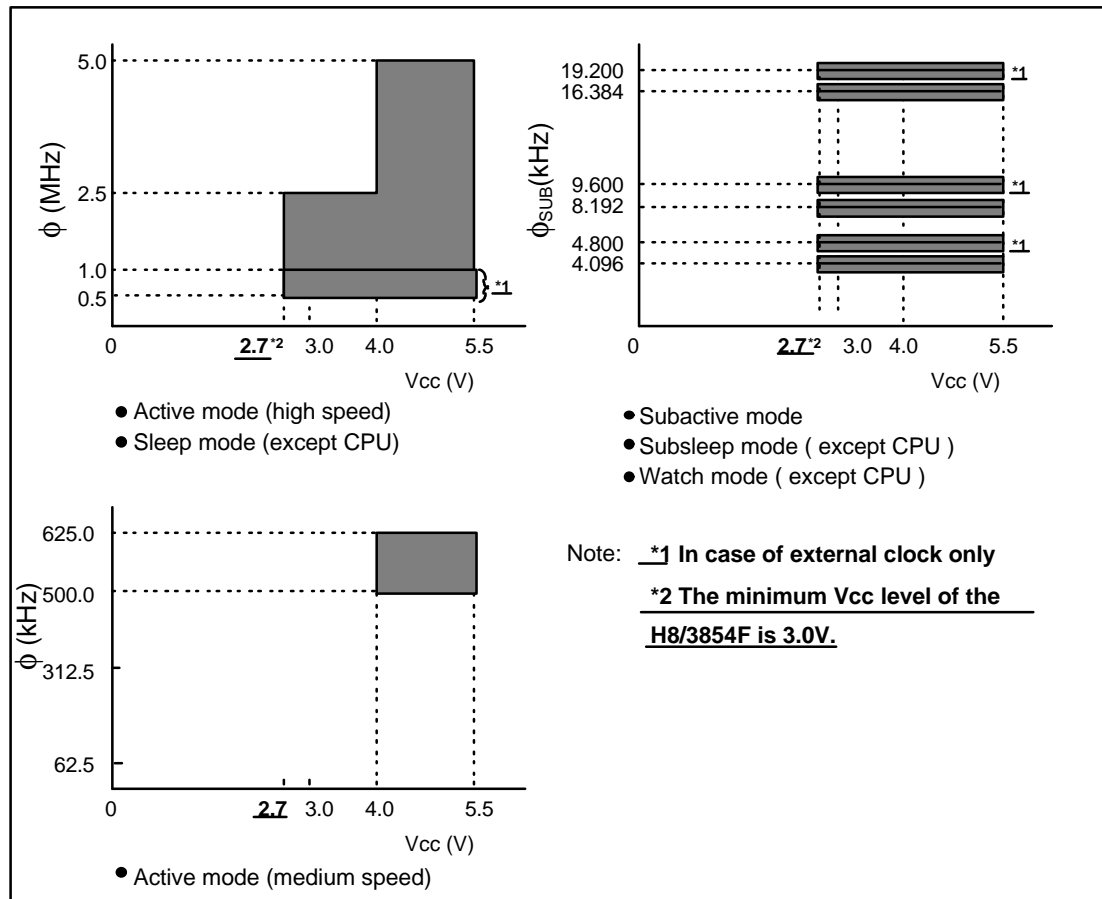
Corrected



(2) Power Supply Voltage vs. Operating Frequency Range (page 427)

Current Omission

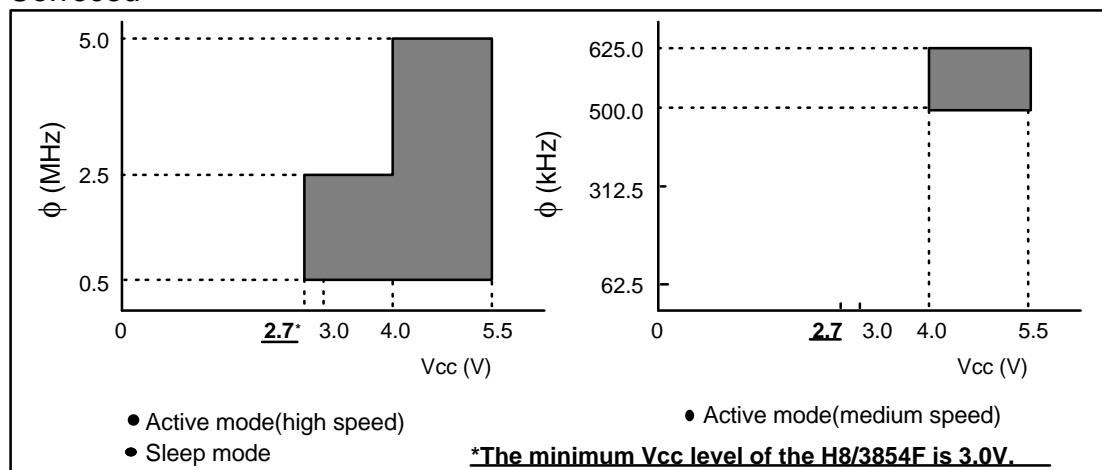
Corrected



(3) Power Supply Voltage vs. A/D Converter Operating Range (page 427)

Current Omission

Corrected



5. In table 16.2 to 16.7 (page 428 to 437), the minimum operation voltage (V_{cc}) is changed from 3.0V to 2.7V for the mask ROM version.

Current ($V_{cc} = 3.0\text{ V to }5.5\text{ V}$,.....)

Correced ($V_{cc} = 2.7\text{ V to }5.5\text{ V of the mask ROM version of H8/3852, H8/3853 and H8/3854, } V_{cc} = 3.0\text{V to }5.5\text{V of H8/3854F}$,....)

6. In 16.2.3 (page 433), reference table for serial interface timing is corrected.

Current Table 16.4 shows the control signal timing, and **tables 16.5 and 16.6 show** the serial interface timing, of the H8/3852, H8/3853 and H8/3854.

Correced Table 16.4 shows the control signal timing, and **table 16.5 shows** the serial interface timing, of the H8/3852, H8/3853 and H8/3854.