

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>)

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RENESAS TECHNICAL NEWS

No. M16C-110-0310

M16C/26
Precaution in Boot mode

<p>Classification Corrections and supplementary explanation of document</p> <p>√ Notes Knowhow Others</p>	<p>Concerned Products M16C/26</p>
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1. Precautionary Note

When the power is turned on, I/O ports will be indeterminate until the internal power supply is stable, if "H" is applied to the CNVSS pin and "L" to the $\overline{\text{RESET}}$ pin while the internal power supply is unstable.

Figure 1 shows pin state when turning power on in boot mode.

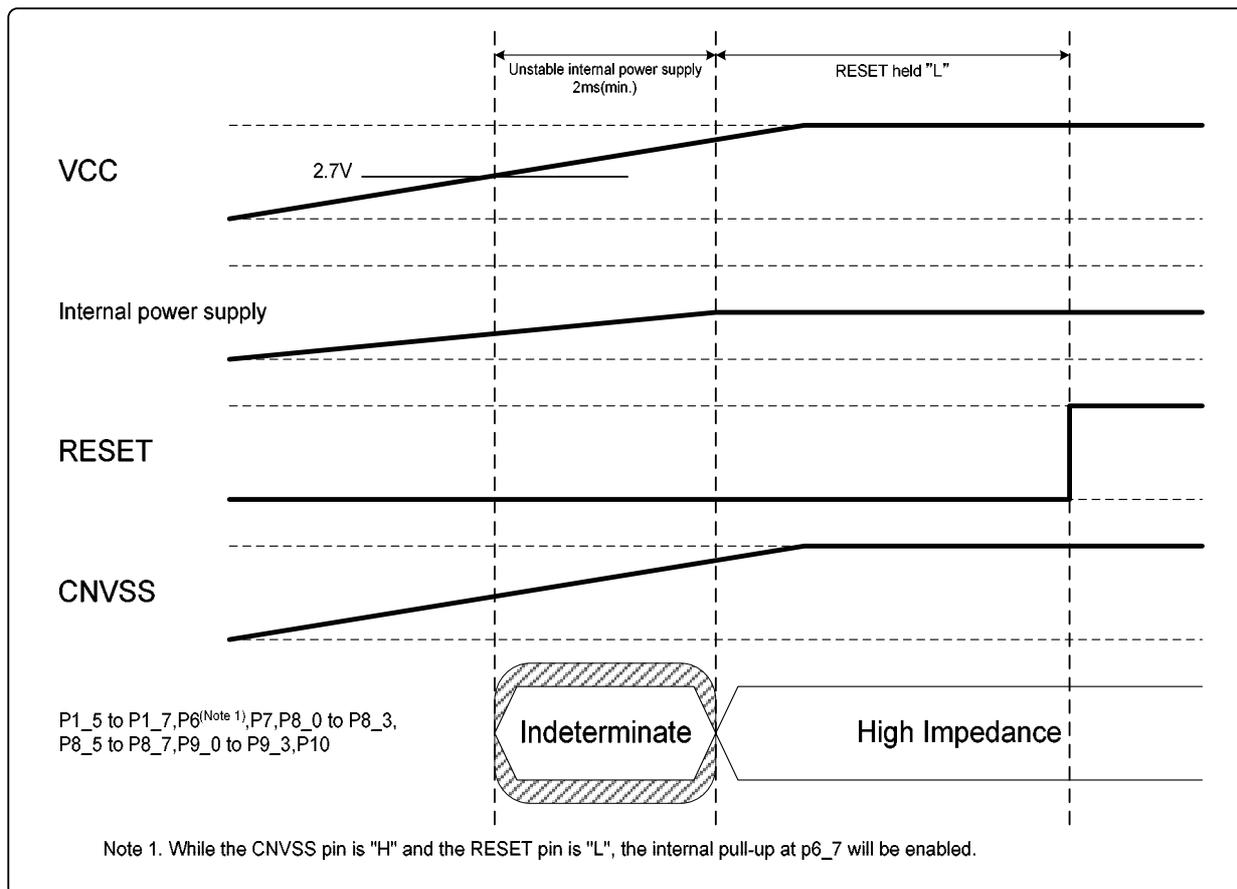


Figure 1. Pin State when Power is Turned On in Boot Mode

2. Countermeasure

Follow the procedures listed below when applying “H” to the CNVSS pin.

1. Apply “L” to the $\overline{\text{RESET}}$ pin and the CNVSS pin
2. Wait more than 2ms (min.) after power applied to the VCC pin exceeds over 2.7V (wait time for the internal power supply stabilization)
3. Apply “H” to the CNVSS pin
4. Apply “H” to the $\overline{\text{RESET}}$ pin (reset cancellation)

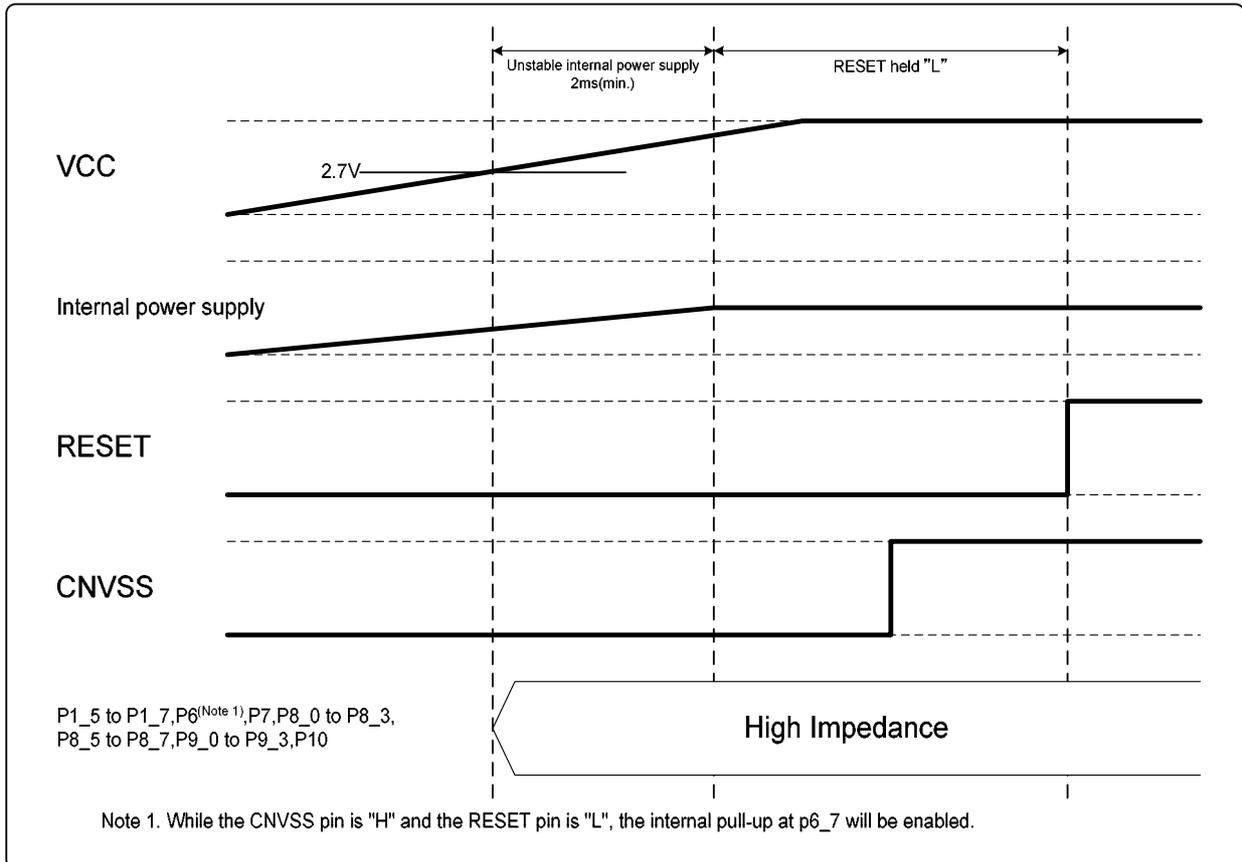


Figure 2. Pin State when Countermeasure is Followed and Power is Turned On

3. Affected Products

This precaution applies to the following products. Products not listed are not affected.

M16C/26

Affected Products	
Flash Memory version	M30262F3GP , M30262F4GP , M30262F6GP , M30262F8GP