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April 1\textsuperscript{st}, 2010
Renesas Electronics Corporation

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H8/38076R
Power-On Reset Operation Using Reset IC

Introduction
In this example power-on reset operation uses a reset IC (M62016) connected to the H8/38076R.

Target Device
H8/38076R

Contents

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1. Specifications

- In this sample task a reset IC (M62016) connected to the H8/38076R is used for power-on reset operation.
- Power-on reset operation uses a reset IC as shown in figure 1.

![Figure 1 Power-On Reset Operation Using Reset IC](image-url)
2. Principles of Operation

The principles of operation for power-on reset using a reset IC are illustrated in figure 2.

\[ T_d = 1.52 \times 10^5 \times C \text{ (seconds)} \]

If \( C = 0.33 \mu F \)
\[ T_d = 1.52 \times 10^5 \times 0.33 \times 10^{-6} = 0.05016 \text{ (seconds)} \]

**Figure 2 Principles of Operation**
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