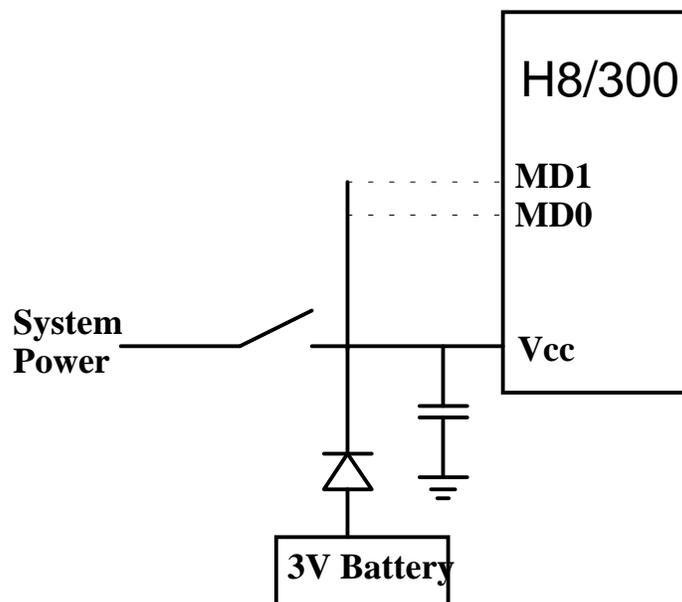


Mode Pins During Standby Operation

H8/300 devices operate in one of four modes as shown below:

MD1	MD0	MODE
Low	Low	Programming
Low	High	Mode 1
High	Low	Mode 2
High	High	Mode 3

To ensure normal operation according to specification one or both of the MD0/1 inputs must be maintained at Vcc or above 2.2 V during standby mode. Boards designed for low power operation should not use system Vcc to control this input. Instead the input should be controlled by the Vcc supply and battery back-up to the H8/300 Vcc input as shown below. This configuration guarantees MD0/1 will be maintained at the correct level when system Vcc is lost. If the mode pins are not held at the correct levels, Icc will be erratic and higher than specified.



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