A10 - I2C EEPROM

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Class: CPE 329-03
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Schematic

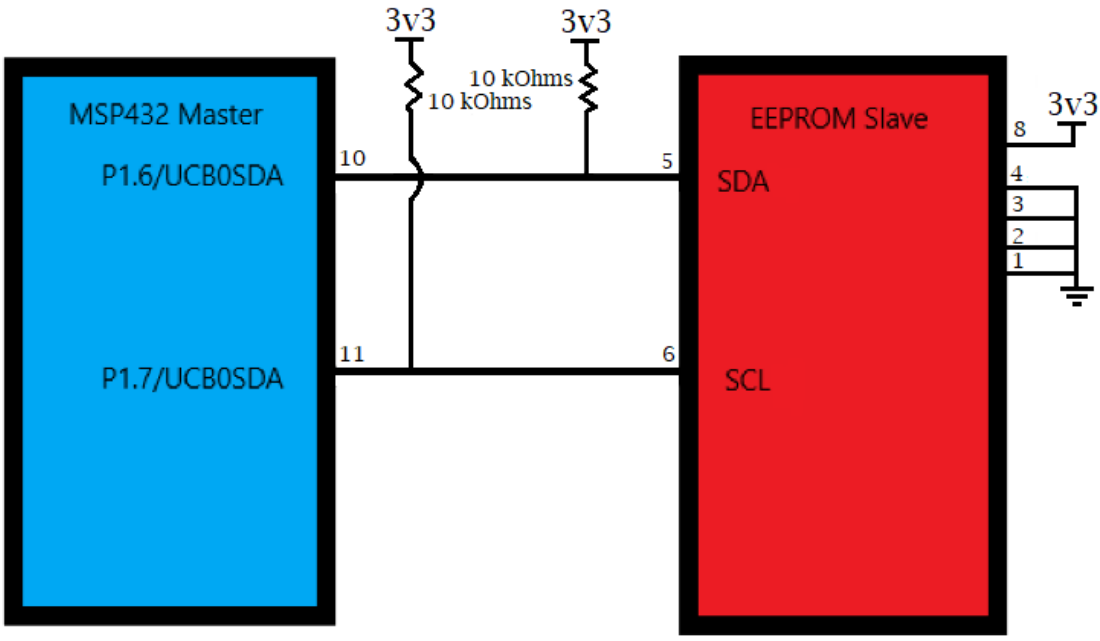

Figure 1: Schematic Diagram

Annotated Screenshots

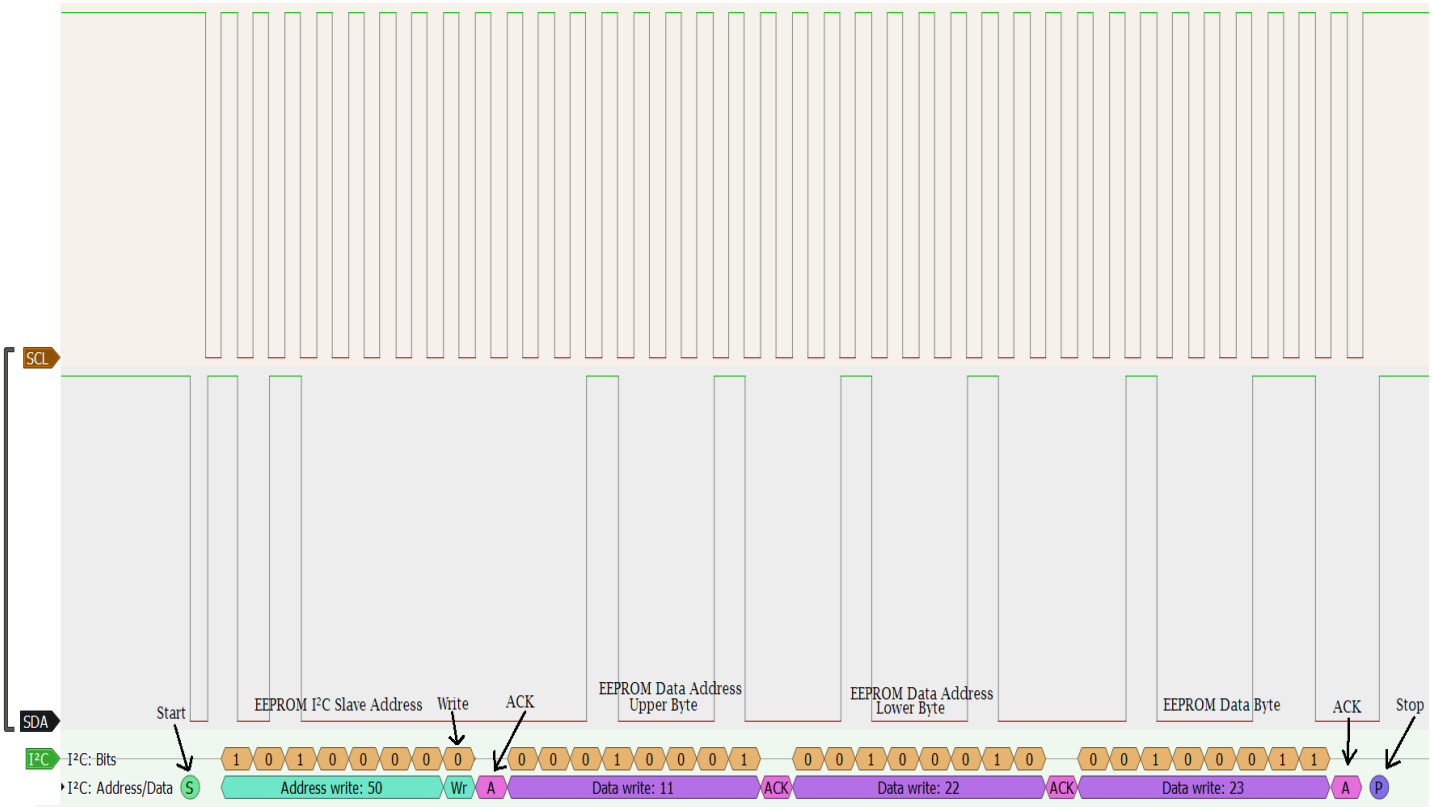

Figure 2: EEPROM I²C Byte Write

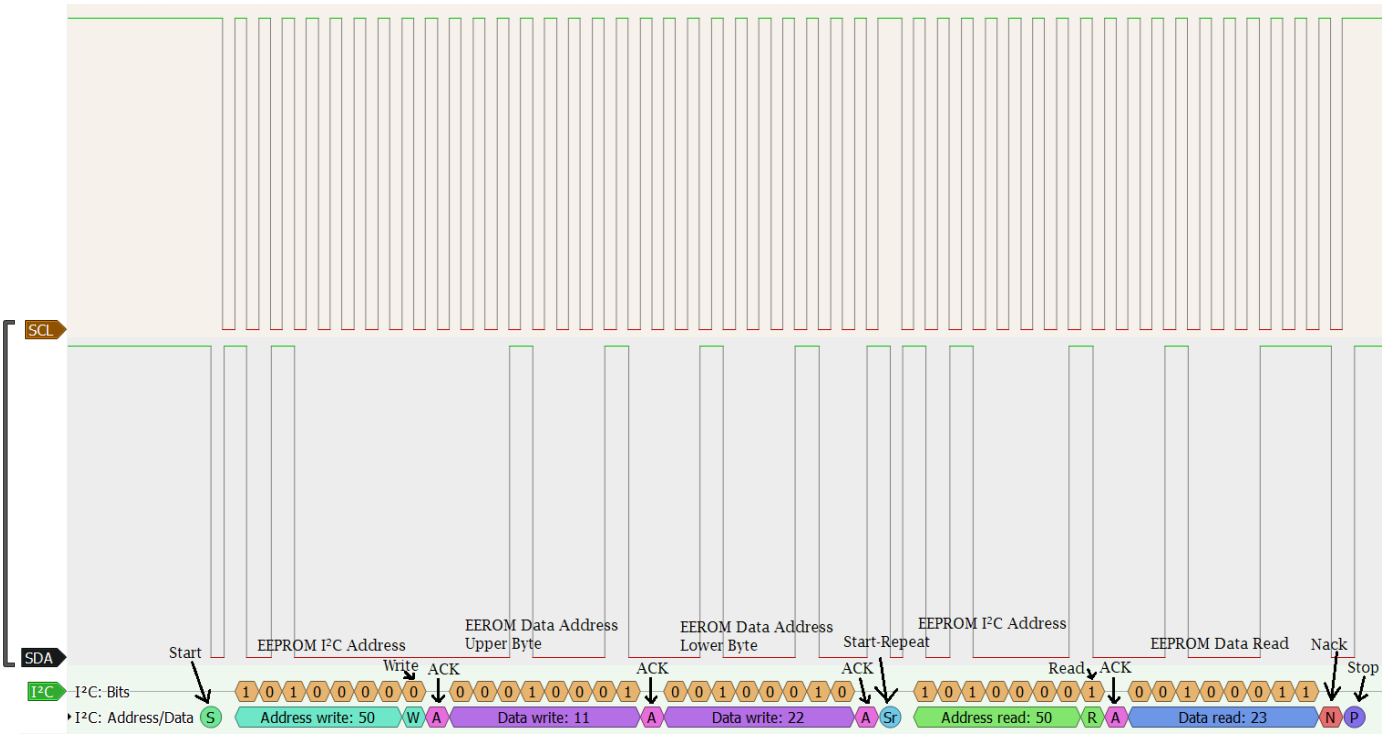

Figure 3: EEPROM I²C Byte Read

Questions

1. Is the first ACK bit affected?

The first ACK is instead a NACK, as it is high rather than low.

2. What about the rest of the bits?

The rest of the bits are not transmitted, as the NACK bit received ended the transmission early.

Program Flow

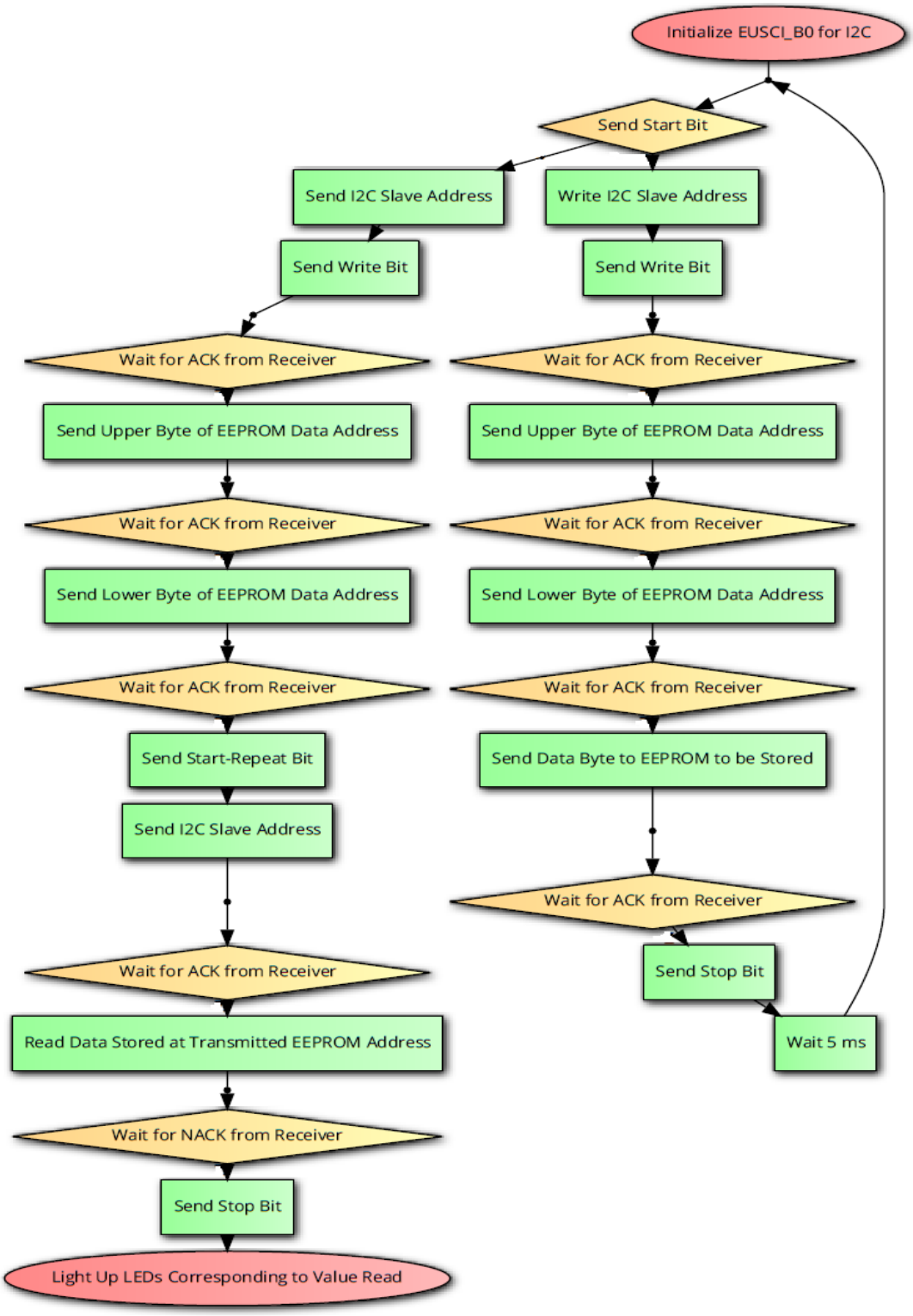

Figure 4: Program flow of the provided I²C Read-Write Sample Code