

Start & Stop

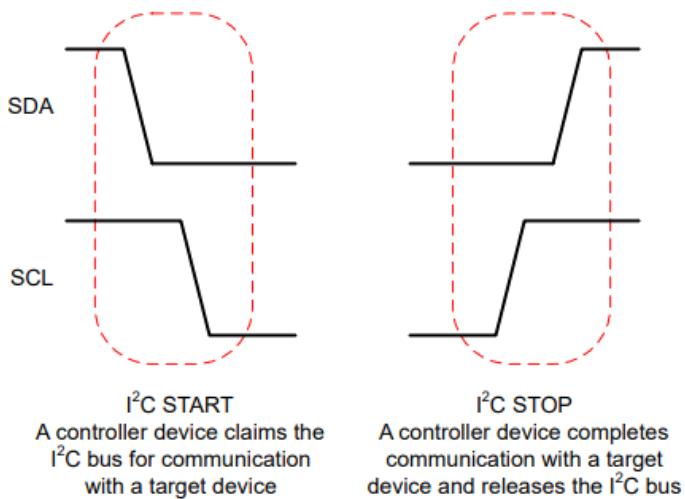
Saturday, November 15, 2025 4:08 PM

Start

- Controllers claim the bus by sending an "I²C Start". The controller pulls SDA low, THEN SCL low.

Stop

- With communication over, SCL is released, THEN SDA.



Interpreting Data Bits

- Logical one happens when SDA is high (released) and SCL is high.
Logical zero happens when SDA is low (pulled) and SCL is high.

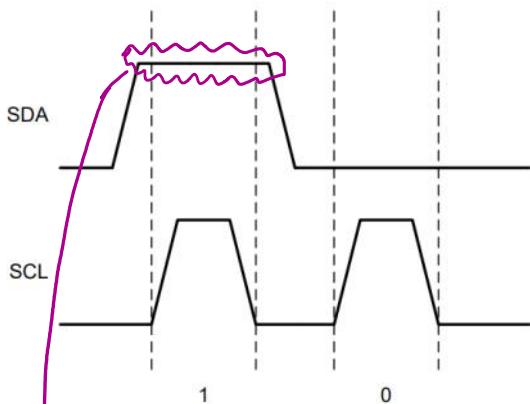


Figure 3-2. I²C Digital One and Zero Representations

If this changes while SCL is high, that's an invalid bit and might even be perceived as a START or STOP condition.