**Level 0: Block Diagram**

**Input signal**

**ICSP Communication**

**Power, 4.5 V battery**

**Frequency**

**Counter**

**Frequency Output**

**Level 1: Block diagram**

**Digital**

**Signal**

**Controller**

5V DC

5V DC

**SCL**

**3 AA batteries 1.5V**

**SDA**

**OLED**

**DISPLAY**

**Power Boost**

**Regulator**

**Input signal**

**Schmitt-Trigger**

**Buffer**

**ICSP Communication**