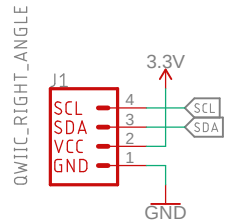
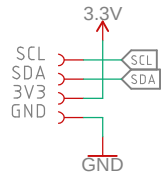


## Qwiic Connector



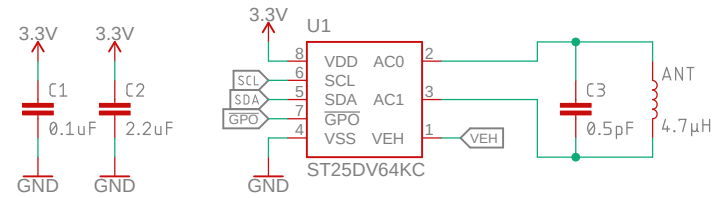
## Test Points



## ST25DV64KC

Notes on antenna tuning:

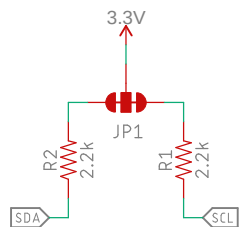
The ST25DV64KC has an internal tuning capacitance of 28.5pF  
 The W3102 antenna has an inductance of 4.7μH  
 To tune the antenna circuit to 13.56MHz, the total capacitance needs to be 29.1pF  
 C3 may need to be tuned for best performance



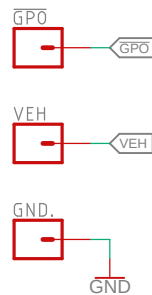
Default I2C Address (User Memory) (Unshifted): 0x53  
 Default I2C Address (System Memory) (Unshifted): 0x57

## I2C Pull-ups

Open jumper to disable I2C pull-up resistors



## Breakouts



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TITLE: SparkX_Micro_NFC_RFID_Tag		
Design by: Paul Clark		REV: x01
Date: 02/08/2022 12:36	Sheet: 1/1	