Power-On Reset

S1

3.3V

3.3V

DISABLE

1 3
2 4

R7
10k

GND

S
G
D

Q1
20V/4.2A/52mΩ/1.4W

3.3V_SW

Button Reset	
Button Status	Board Status
Pressed	Off
Un-Pressed	On

Disable to Header Reset	
DISABLE Value	Board Status
HIGH (3.3V)	Off
LOW (0V) - default	On

Hall-Effect Sensor - TMAG5273

Input voltage range:
1.7V - 3.6V
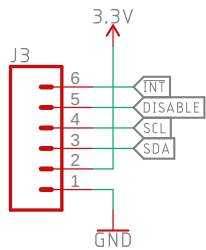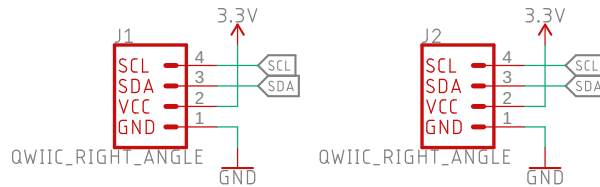
7-bit unshifted I2C Address: 0x22

3.3V_SW

U1

4	VCC	SCL	1	SCL
3	TEST	SDA	6	SDA
2	GND	$\overline{INT}$	5	INT

TMAG5273

GND

3.3V_SW

C1
0.1uF

GND
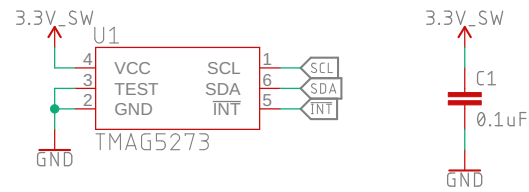
I²C Pullup

Cut traces to disable I²C pullups

3.3V_SW

R2 2.2k
R5 2.2k

I2C

SDA
SCL

0.1" Header

3.3V

J3

6	INT
5	DISABLE
4	SCL
3	SDA
2	
1	

GND

Qwiic Connectors

3.3V

J1

SCL	4	SCL
SDA	3	SDA
VCC	2	
GND	1	

QWIIC_RIGHT_ANGLE

GND

3.3V

J2

SCL	4	SCL
SDA	3	SDA
VCC	2	
GND	1	

QWIIC_RIGHT_ANGLE

GND
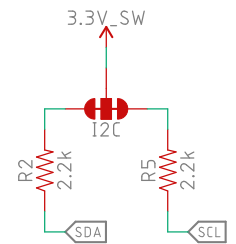
Power LED

Cut trace to disable LED

3.3V_SW

R3
4.7k

D1
Red

LED

GND
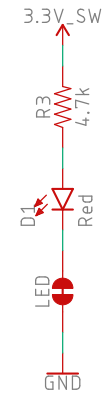
INT Pullup

Cut trace to remove pullup
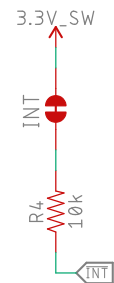
3.3V_SW

INT

R4
10k

INT

Special Instructions

TITLE: Qwiic_Hall_Effect_Sensor_TMAG5273

Design by: M. Chodikov

REV: v10

Date: 11/28/2023 3:17 PM

Sheet: 1/1

qwiic

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