MPU 6050 Module
Variant: [No Variations]

29/04/2022
V1I1

RELEASED 29-04-2022

DESIGN NOTE:
Example text for debug notes.

DESIGN CONSIDERATIONS

DESIGN NOTE:
Example text for informational
design notes.

**DESIGN NOTE:
Example text for critical
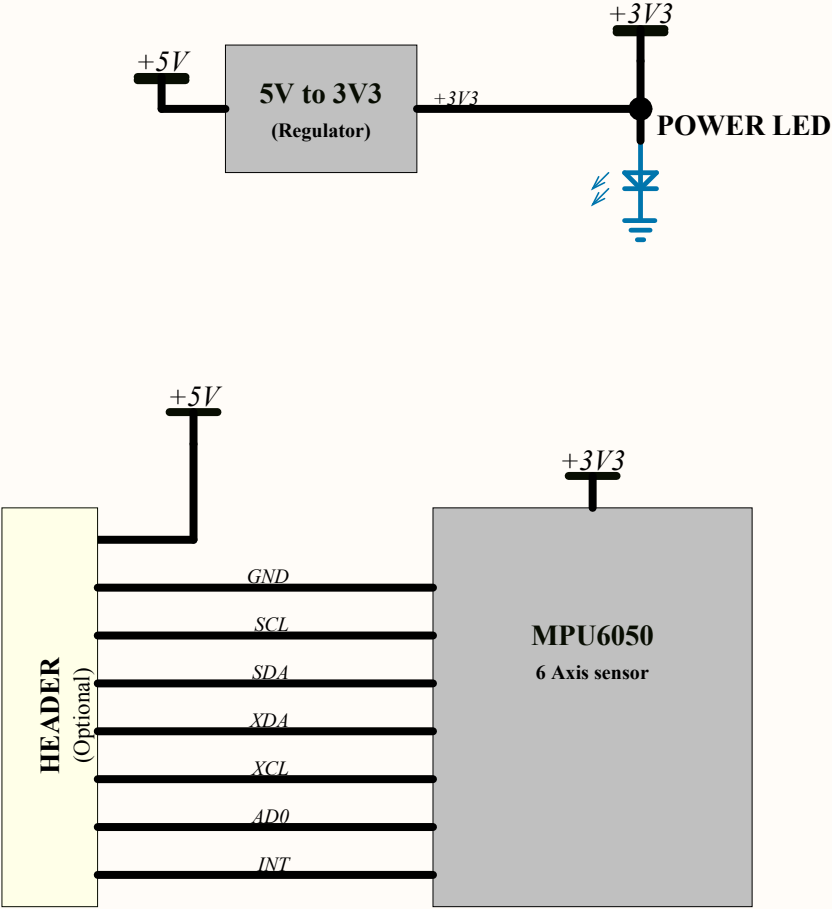design notes.**

DESIGN NOTE:
Example text for cautionary
design notes.

**LAYOUT NOTE:
Example text for critical
layout guidelines.**

Damian Caputo

Title: MPU 6050 Module

Variant: [No Variations]

Page Contents: [01] - COVER PAGE.SchDoc

Damian Caputo

Size:

DWG NO

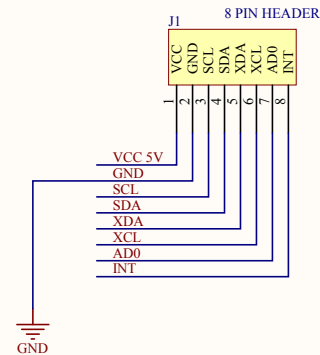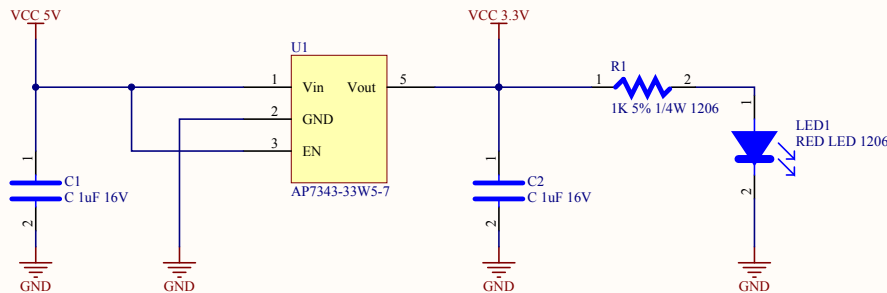Revision: V1I1

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MPU 6050 Module
(Block Diagram)

+3V3

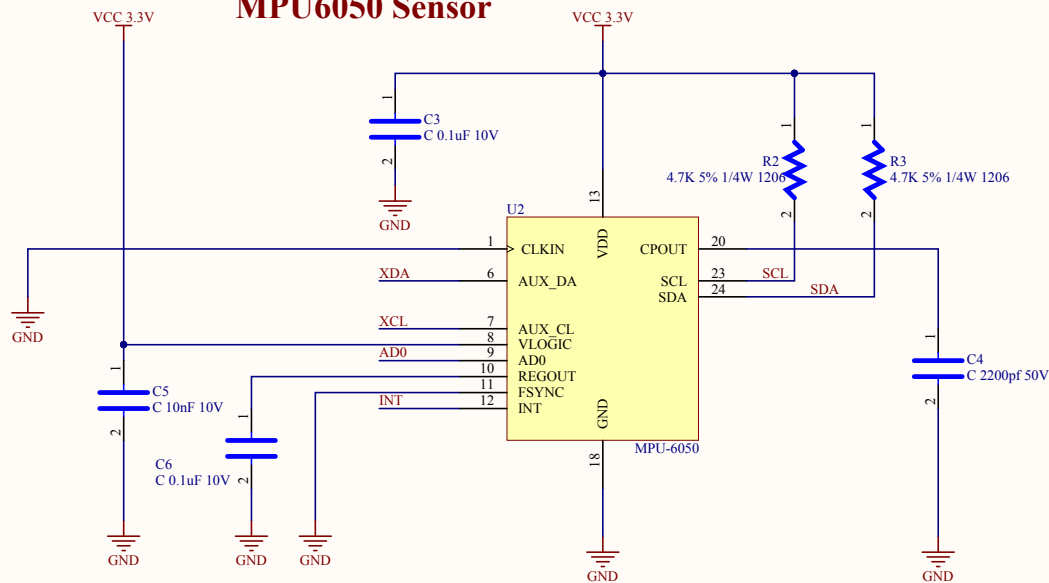+5V   **5V to 3V3**   +3V3

(Regulator)   POWER LED

+5V

+3V3

HEADER
(Optional)

GND

SCL

SDA

XDA

XCL

AD0

INT

MPU6050

6 Axis sensor

MPU 6050 Module

3V3 LDO

VCC 5V

VCC 3.3V

U1

Vin	Vout	5
1		
2 GND		
3 EN		

AP7343-33W5-7

C1
C 1uF 16V

GND

GND

C2
C 1uF 16V

GND

R1
1 2
1K 5% 1/4W 1206

LED1
RED LED 1206

GND

VCC 5V
GND
SCL
SDA
XDA
XCL
AD0
INT

GND

MPU6050 Sensor

VCC 3.3V

VCC 3.3V

C3
C 0.1uF 10V

GND

R2
4.7K 5% 1/4W 1206

R3
4.7K 5% 1/4W 1206

U2

1 CLKIN	VDD 13	CPOUT 20
6 AUX_DA		SCL 23
		SDA 24
7 AUX_CL		
8 VLOGIC		
9 AD0		
10 REGOUT		
11 FSYNC		
12 INT	GND 18	

MPU-6050

XDA

XCL
AD0

INT

SCL

SDA

C4
C 2200pf 50V

GND

C5
C 10nF 10V

GND

C6
C 0.1uF 10V

GND

GND

GND

GND

Fiducials

FID1   FID2

Mounting Hole

MH1   MH2
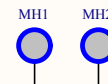
Damian Caputo		
Title: MPU 6050 Module	Variant: [No Variations]	
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REVISION HISTORY

Damian Caputo

Title: MPU 6050 Module

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Size:

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Designator
[01] - COVER PAGE.SchDoc

Designator
[02] - BLOCK DIAGRAM.SchDoc

Designator
[03] - MPU6050_SCH.SchDoc

Designator
[04] - REVISION HISTORY.SchDoc