

A

A

B

B

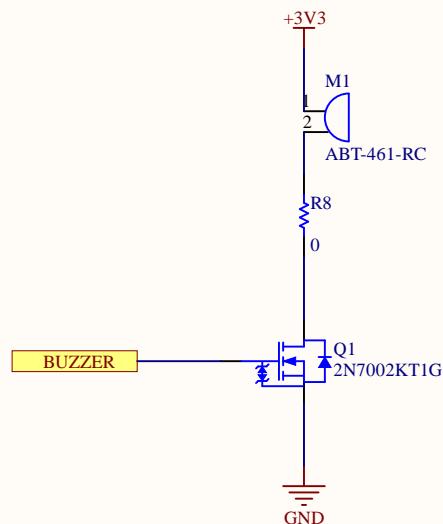
C

C

D

D

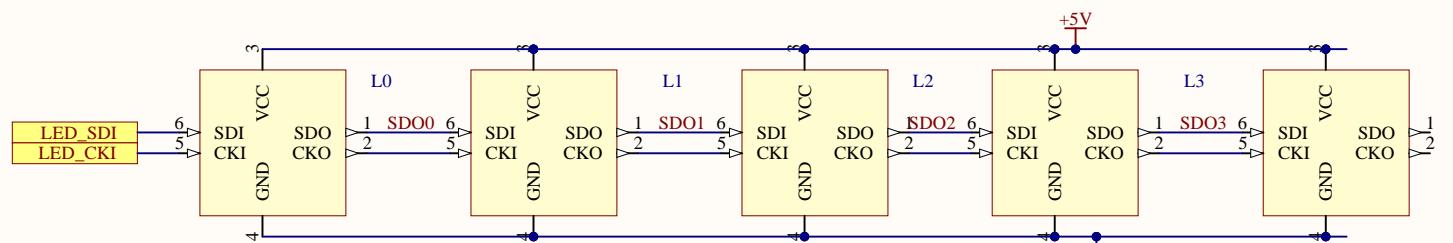
BUZZER



Title		
Size A	Number	Revision
Date: 1/20/2021	Sheet of	
File: C:\Users\..\BUZZER.SchDoc	Drawn By:	

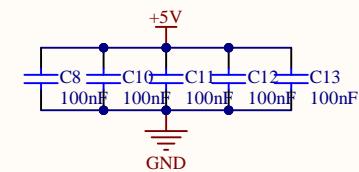
A

TOUCH SENSORS AND RGB LEDs



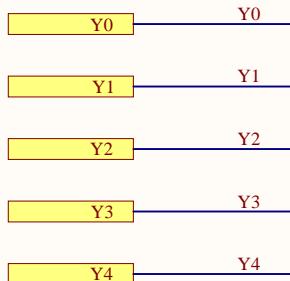
A

B



B

C



C

D

Title

Size

A

Number

Revision

Date: 1/20/2021

Sheet of

File: C:\Users\...\CAPACITIVE_SENSOR.SchD

Drawn By:

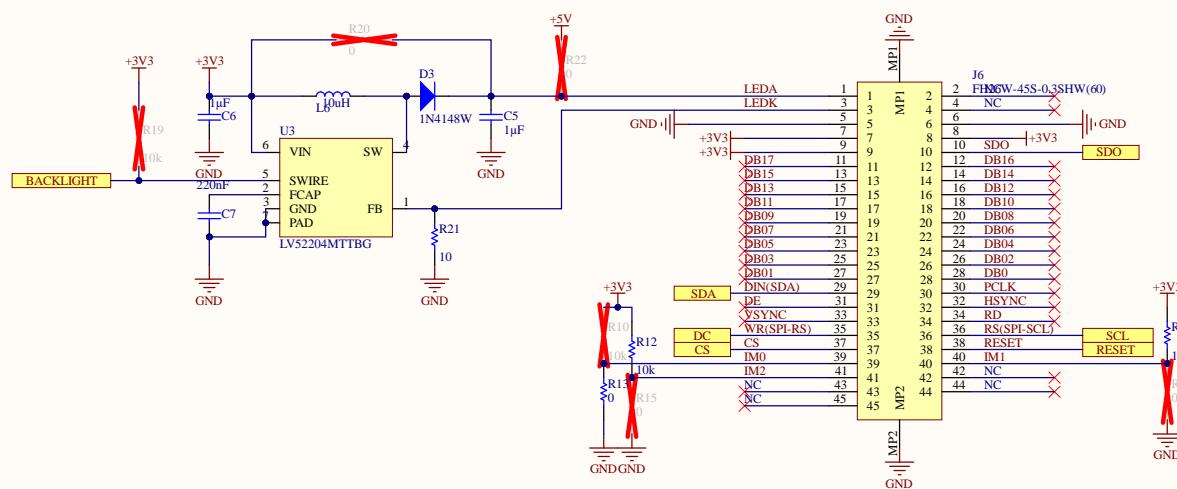
A

A

DISPLAY

F

B



Cannot open file C:\Users\EE\Desktop\IoT_Carrier\Display\4-serial-I.png. File does not exist.

6

C

Cannot open file C:\Users\EE\Desktop\IoT_Carrier\Display\DisplayNote2.png. File does not exist.

D

E

Cannot open file
C:\Users\EE\Desktop\IoT_Carrier\Display\DisplayNote3.png. File does not exist.

Cannot open file
C:\Users\EE\Desktop\IoT_Carrier\Display\DisplayNote4.p
g. File does not exist.

Cannot open file
C:\Users\EE\Desktop\IoT_Carrier\Display\DisplayNote5.pn
File does not exist.

Title			
Size A3	Number	Revision	
Date:	1/20/2021	Sheet	of
File:	C:\Users\.\DISPLAY.SchDoc	Drawn By:	

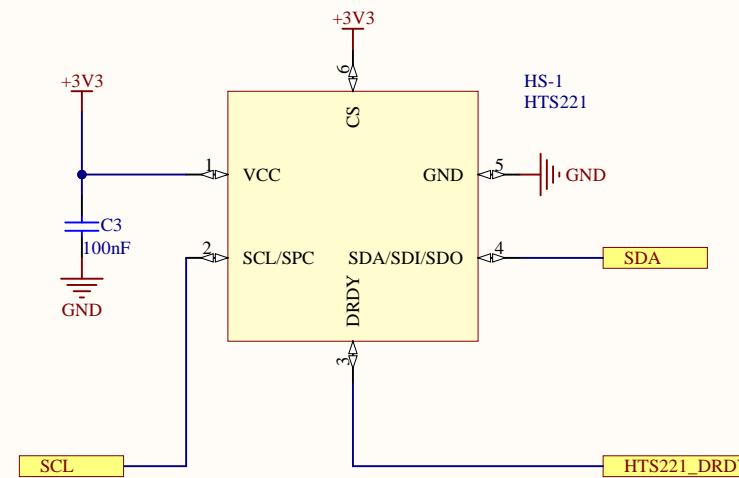
A

A

HUMIDITY & TEMPERATURE SENSOR

B

B



C

C

D

D

Title

Size

Number

Revision

Date: 1/20/2021

Sheet of

File: C:\Users\..\HTS221.SchDoc

Drawn By:

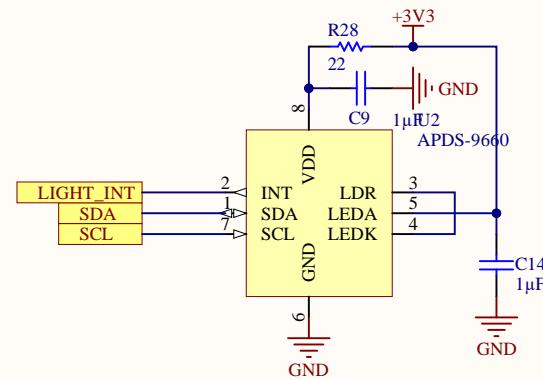
A

A

AMBIENT LIGHT SENSOR

B

B



C

C

D

D

Title		
Size A	Number	Revision
Date: 1/20/2021	Sheet of	
File: C:\Users\.\LIGHT_SEN.SchDoc	Drawn By:	

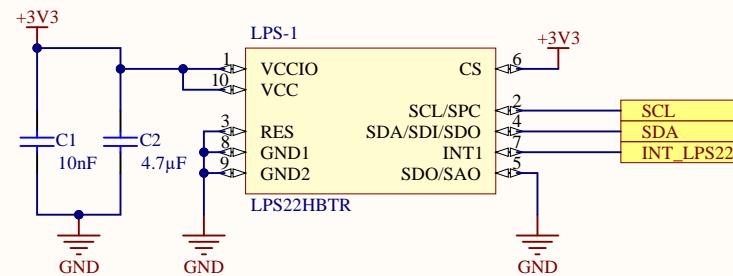
A

A

BAROMETRIC SENSOR

B

B



C

C

D

D

Title		
Size	Number	Revision
A		
Date:	1/20/2021	Sheet of
File:	C:\Users\.\LPS22HB.SchDoc	Drawn By:

A

A

B

B

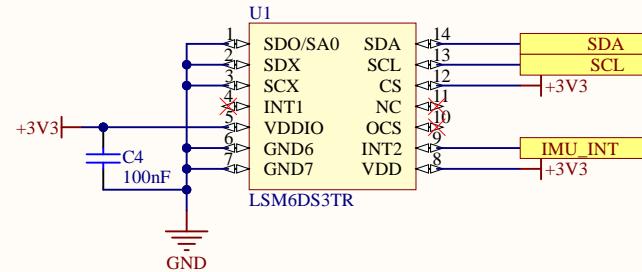
C

C

D

D

IMU SENSOR



Title		
Size A	Number	Revision
Date: 1/20/2021	Sheet of	
File: C:\Users\.\LSM6DS3.SchDoc	Drawn By:	

A

RELAYS

A

B

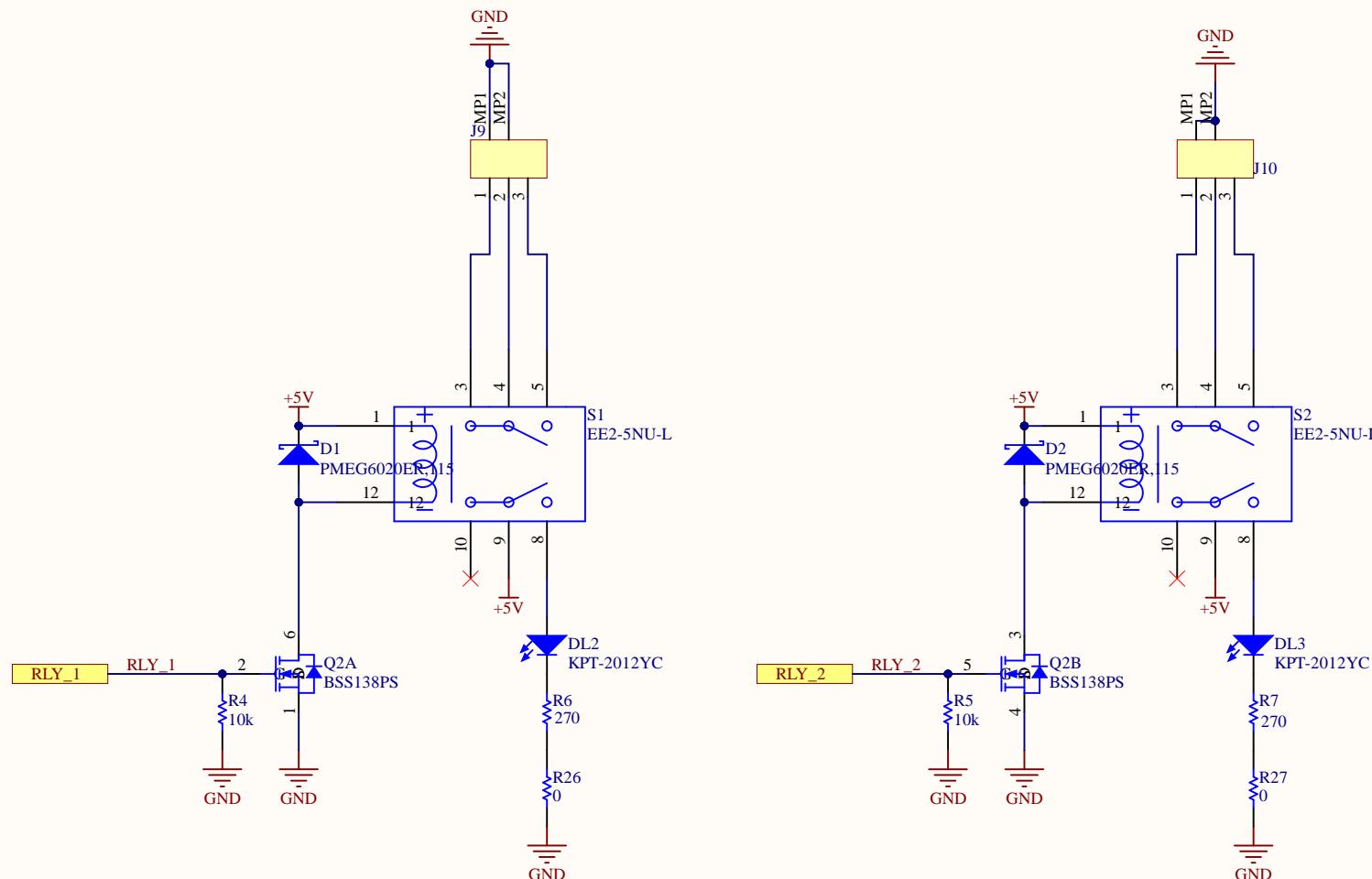
B

C

C

D

D



Title

Size

Number

Revision

Date: 1/20/2021

Sheet of

File: C:\Users\...\RELAYS.SchDoc

Drawn By:

A

A

B

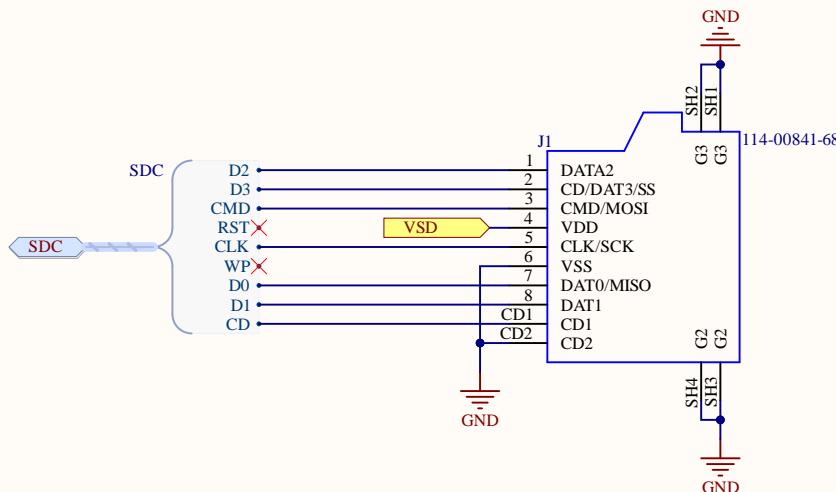
B

C

C

D

D



Reference Designs ARE PROVIDED "AS IS" AND "WITH ALL FAULTS. Arduino SA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, REGARDING PRODUCTS, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Arduino SA may make changes to specifications and product descriptions at any time, without notice. The Customer must not rely on the absence or characteristics of any features or instructions marked "reserved" or "undefined". Arduino SA reserves these for future definition and shall have no responsibility whatsoever for conflicts or incompatibilities arising from future changes to them. The product information on the Web Site or Materials is subject to change without notice.

Do not finalize a design with this info. ARDUINO and other Arduino brands and logos and Trademarks of Arduino SA. All Arduino SA Trademarks cannot be used without owner's formal permission.

Title: SD Connector

ID: * Revision: *

Date: 20/01/2021 Time: 14:42:20 Sheet of *

File: SCH-00009-3.SchDoc Author: *



A

A

B

B

C

C

D

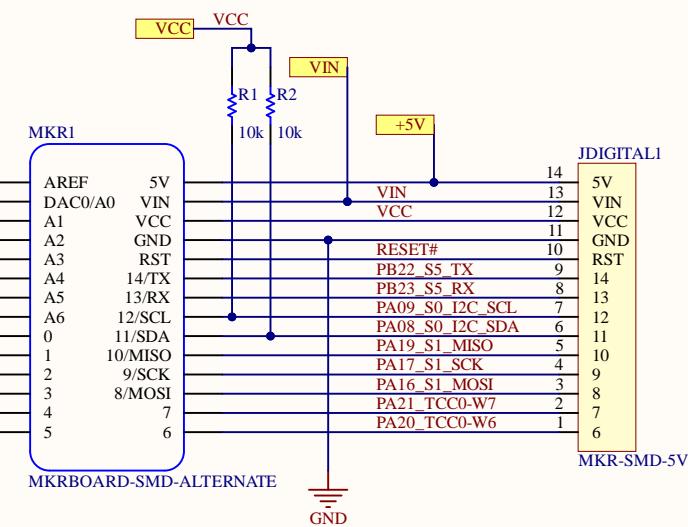
D

AREF	PA03_VREFA
A0	PA02_AIN0
A1	PB02_AIN10
A2	PB03_AIN11
A3	PA04_AIN4
A4	PA05_AIN5
A5	PA06_AIN6
A6	PA07_AIN7
0	PA22_TC4-W0
1	PA23_TC4-W1
2	PA10_TCC0-W2
3	PA11_TCC0-W3
4	PB10_TCC0-W4
5	PB11_TCC0-W5

JANALOGI

AREF	1 PA03_VREFA
A0	2 PA02_AIN0
A1	3 PB02_AIN10
A2	4 PB03_AIN11
A3	5 PA04_AIN4
A4	6 PA05_AIN5
A5	7 PA06_AIN6
A6	8 PA07_AIN7
0	9 PA22_TC4-W0
1	10 PA23_TC4-W1
2	11 PA10_TCC0-W2
3	12 PA11_TCC0-W3
4	13 PB10_TCC0-W4
5	14 PB11_TCC0-W5

MKR-SMD-AREF



RESET#	RST
PB22_S5_TX	14
PB23_S5_RX	13
PA09_S0_I2C_SCL	12
PA08_S0_I2C_SDA	11
PA19_S1_MISO	10
PA17_S1_SCK	9
PA16_S1_MOSI	8
PA21_TCC0-W7	7
PA20_TCC0-W6	6

Reference Designs ARE PROVIDED "AS IS" AND "WITH ALL FAULTS. Arduino SA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, REGARDING PRODUCTS, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Arduino SA may make changes to specifications and product descriptions at any time, without notice. The Customer must not rely on the absence or characteristics of any features or instructions marked "reserved" or "undefined". Arduino SA reserves these for future definition and shall have no responsibility whatsoever for conflicts or incompatibilities arising from future changes to them. The product information on the Web Site or Materials is subject to change without notice.

Do not finalize a design with this info. ARDUINO and other Arduino brands and logos and Trademarks of Arduino SA. All Arduino SA Trademarks cannot be used without owner's formal permission.

Title: *

ID: *

Revision: *

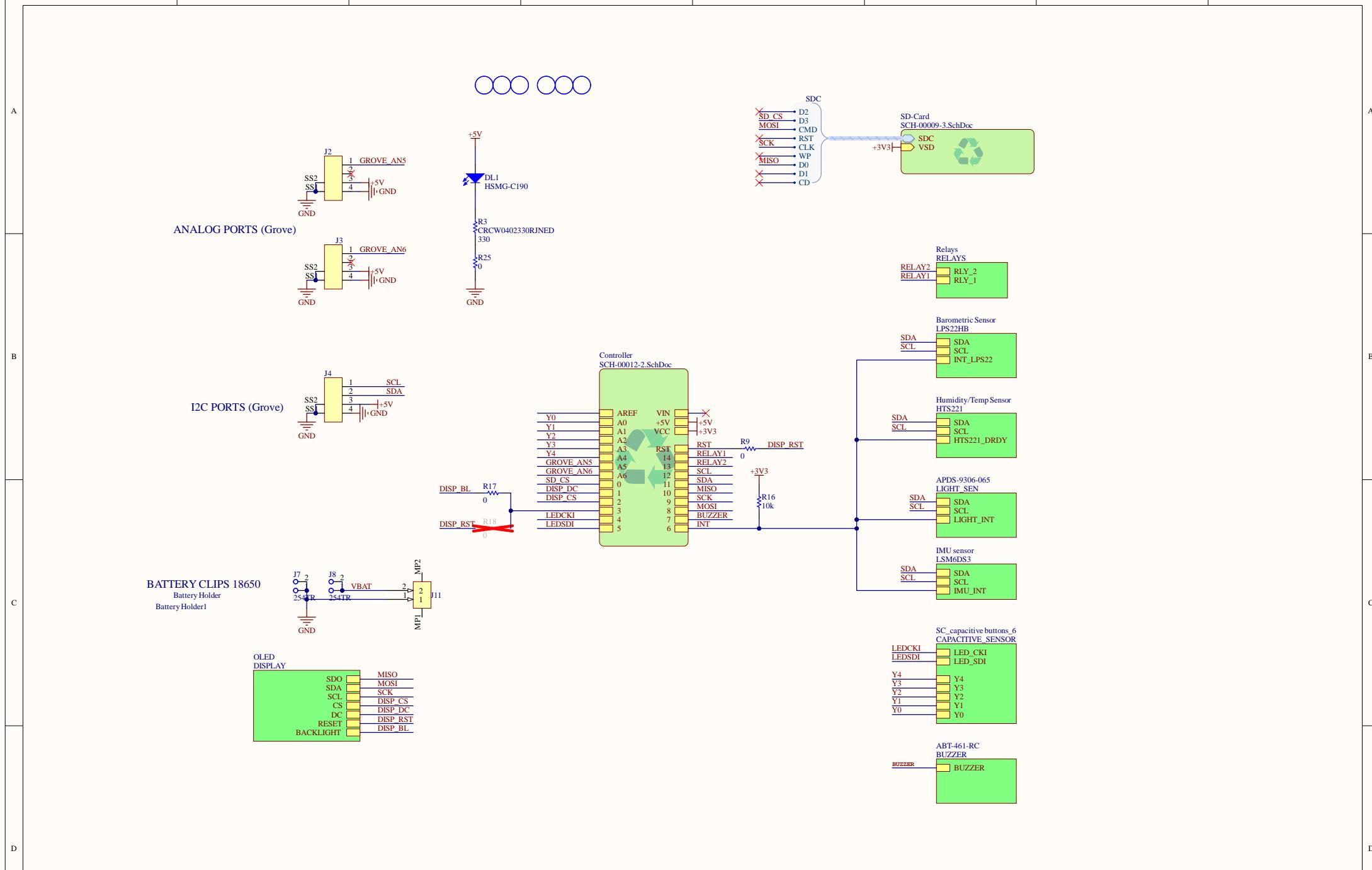
Date: 20/01/2021 Time: 14:42:22

Sheet of *

File: SCH-00012-2.SchDoc

Author:





Reference Designs ARE PROVIDED "AS IS" AND "WITH ALL FAULTS. Arduino SA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, REGARDING PRODUCTS, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Arduino SA may make changes to specifications and product descriptions at any time, without notice. The Customer must not rely on the absence or characteristics of any features or instructions marked "reserved" or "undefined".

Arduino SA reserves these for future definition and shall have no responsibility whatsoever for conflicts or incompatibilities arising from future changes to them. The product information on the Web Site or Materials is subject to change without notice.

Do not finalize a design with this info. ARDUINO and other Arduino brands and logos and Trademarks of Arduino SA. All Arduino SA Trademarks cannot be used without owner's formal permission.

Title *		
ID: *		Revision: *
Date: 20/01/2021	Time: 14:42:23	Sheet * of *
File: TOP.SchDoc		Author * Rev author *



This project's hardware is licensed under the Creative Commons Attribution-ShareAlike 4.0 International License. To view a copy of this license, visit <https://creativecommons.org/licenses/by-sa/4.0/deed.en>