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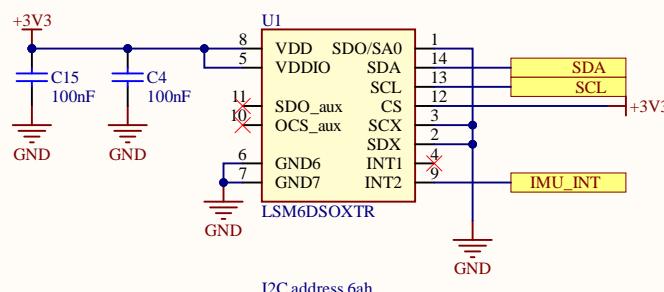
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# IMU SENSOR



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**Title: MKR IoT Carrier R2**

ID: ABX00073

Revision: V1.2

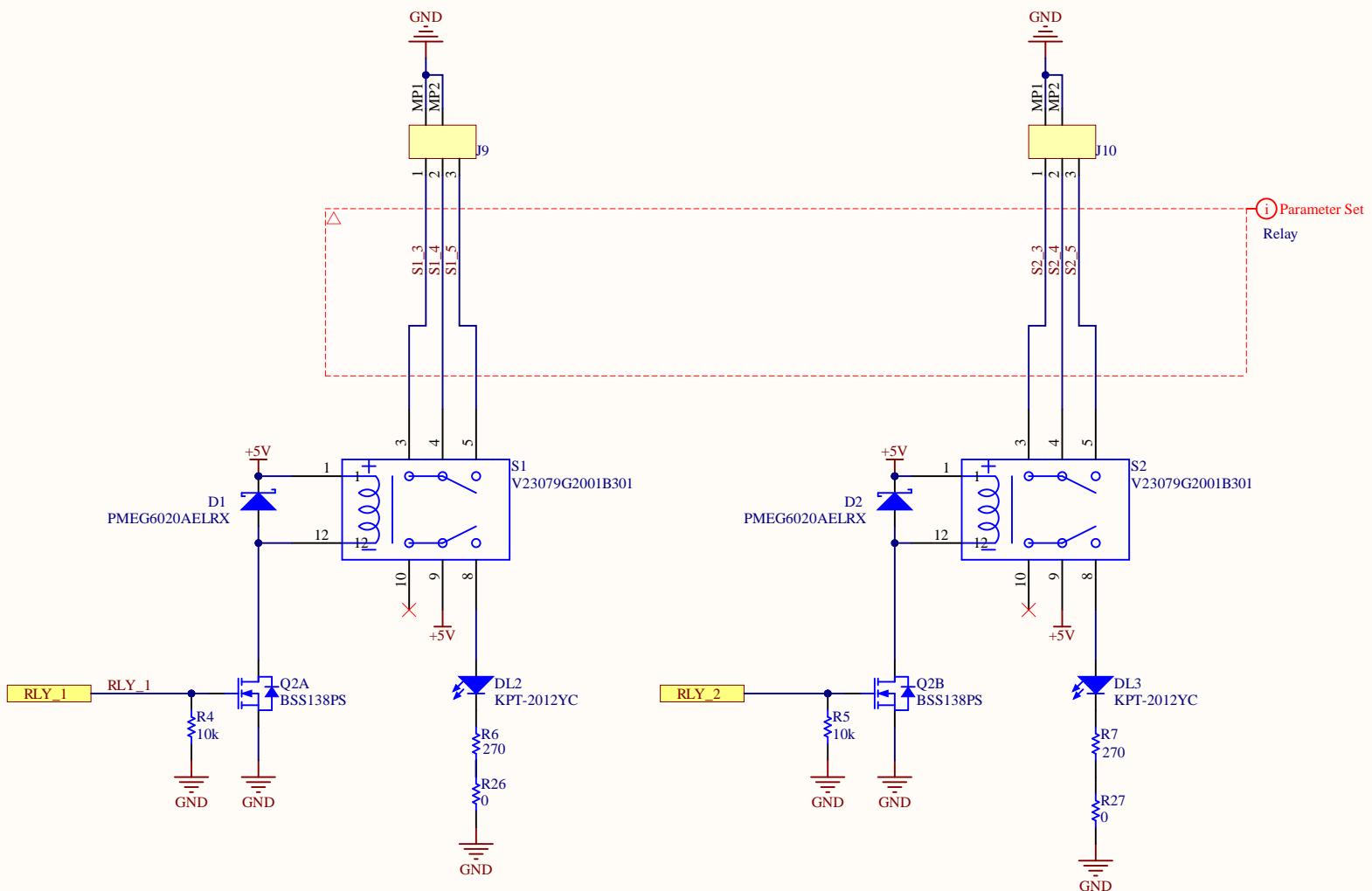
Date: 11/22/2022 Time: 1:18:55 PM Sheet 2 of 10

File: LSM6DSOX.SchDoc

Author: \*



# RELAYS



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**Title:** MKR IoT Carrier R2

**ID:** ABX00073

**Revision:** V1.2

**Date:** 11/22/2022

**Time:** 1:18:59 PM

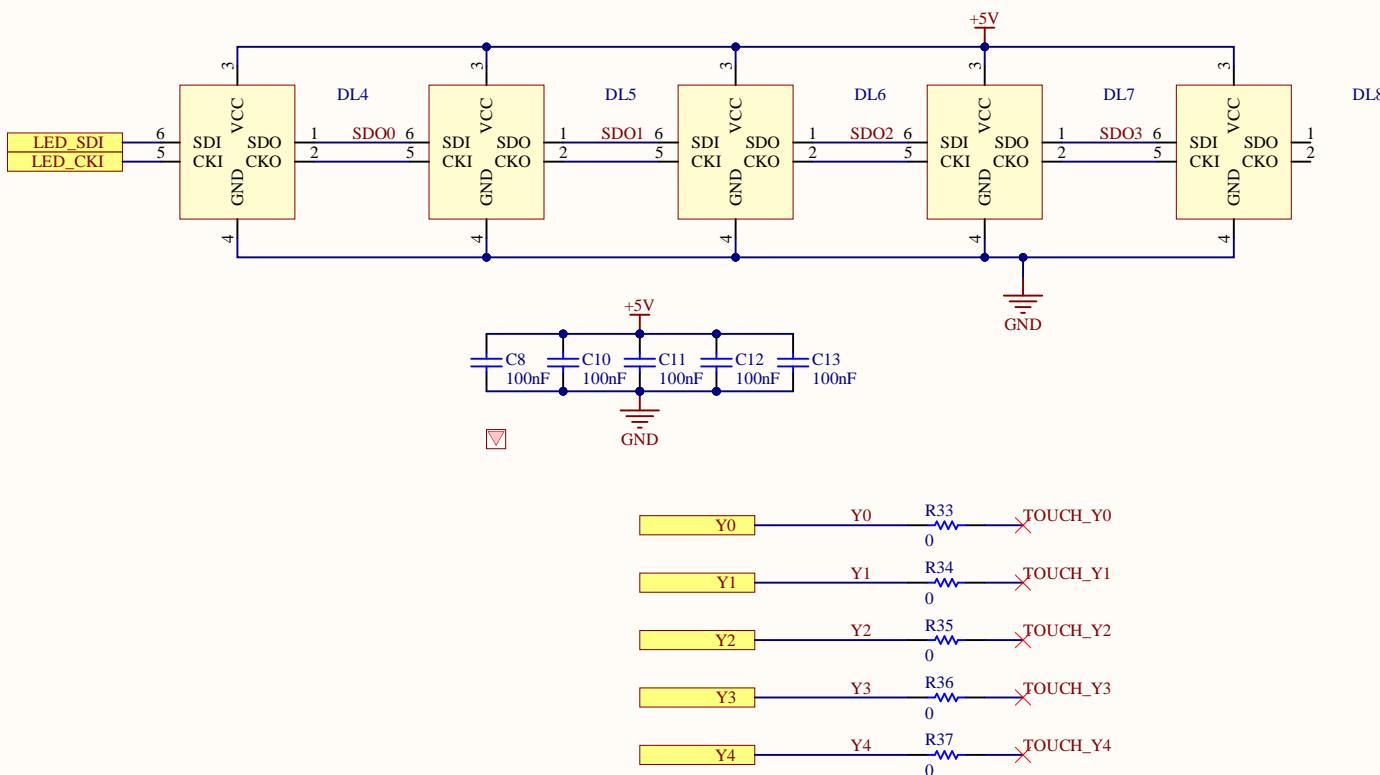
**Sheet:** 3 of 10

**File:** RELAYS.SchDoc

**Author:** \*



# TOUCH SENSORS AND RGB LEDs



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**Title: MKR IoT Carrier R2**

**ID: ABX00073**

Revision: V1.2

Date: 11/22/2022 Time: 1:19:04 PM Sheet 4 of 10

File: CAPACITIVE\_SENSOR.SchDoc

Author: \*



# DISPLAY

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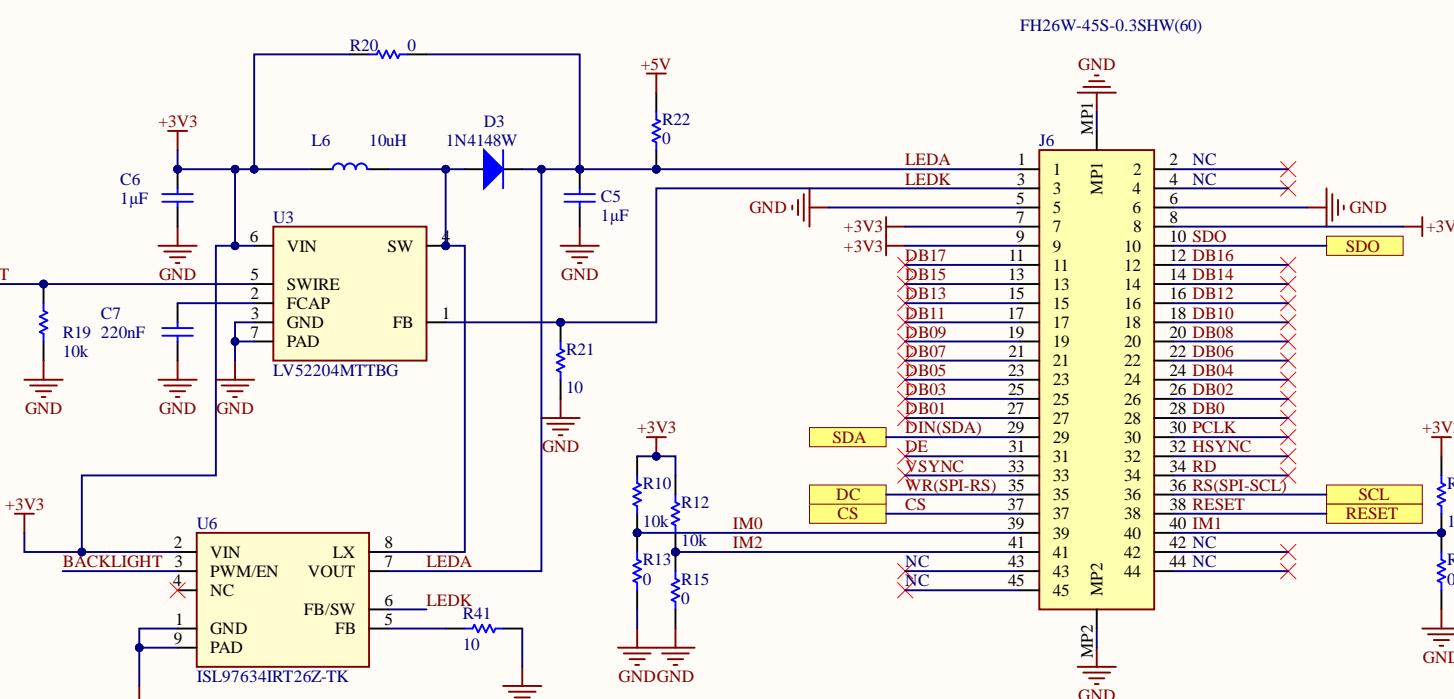
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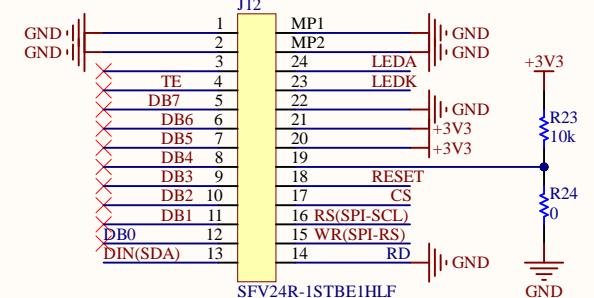
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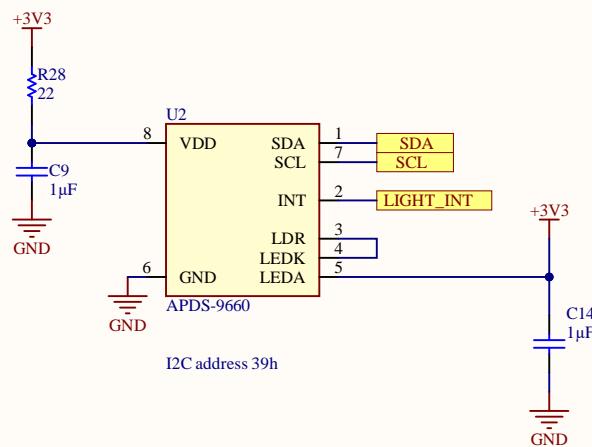
D



Circular Display (Retail)



# AMBIENT LIGHT SENSOR



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**Title: MKR IoT Carrier R2**

**ID: ABX00073**

Revision: V1.2

Date: 11/22/2022 Time: 1:19:13 PM Sheet 6 of 10

File: LIGHT\_SEN.SchDoc

Author: \*



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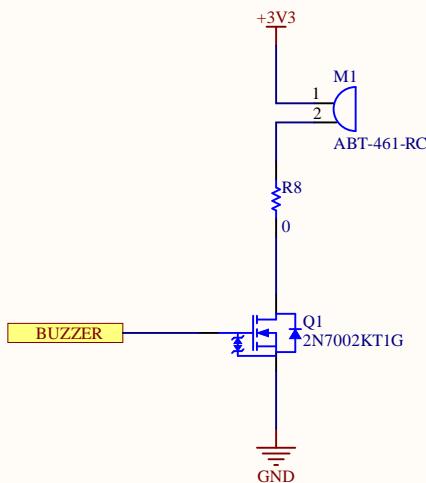
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## BUZZER



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**Title: MKR IoT Carrier R2**

**ID: ABX00073**

Revision: V1.2

Date: 11/22/2022 Time: 1:19:18 PM Sheet 7 of 10

File: BUZZER.SchDoc

Author: \*



A

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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

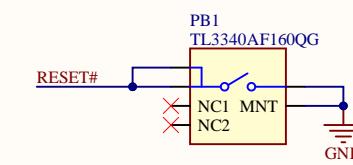
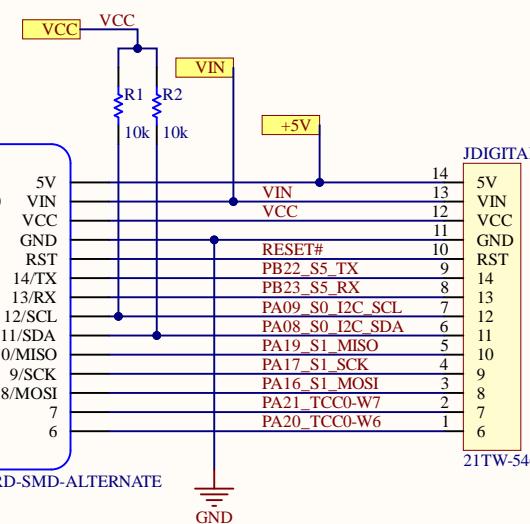
AREF	1 PA03_VREFA
A0	2 PA02_AIN0
A1	3 PB02_AIN10
A2	4 PB03_AIN11
A3	5 PA04_AIN4
A4	6 PA05_AIN5
A5	7 PA06_AIN6
A6	8 PA07_AIN7
0	9 PA22_TC4-W0
1	10 PA23_TC4-W1
2	11 PA10_TCC0-W2
3	12 PA11_TCC0-W3
4	13 PB10_TCC0-W4
5	14 PB11_TCC0-W5

21TW-547

MKR1

AREF	5V
DAC0/A0	VIN
A1	VCC
A2	GND
A3	RST
A4	14/TX
A5	13/RX
A6	12/SCL
0	11/SDA
1	10/MISO
2	9/SCK
3	8/MOSI
4	7
5	6

MKRBOARD-SMD-ALTERNATE



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

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## Title: MKR IoT Carrier R2

ID: ABX00073

Revision: V1.2

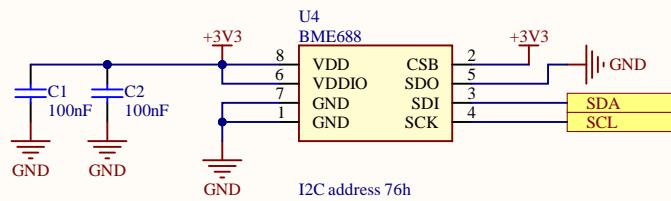
Date: 11/22/2022 Time: 1:19:22 PM Sheet 8 of 10

File: MKR.SchDoc

Author: \*



# BAROMETRIC SENSOR



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**Title: MKR IoT Carrier R2**

**ID: ABX00073**

**Revision: V1.2**

**Date: 11/22/2022 Time: 1:19:27 PM Sheet 9 of 10**

**File: BME688.SchDoc**



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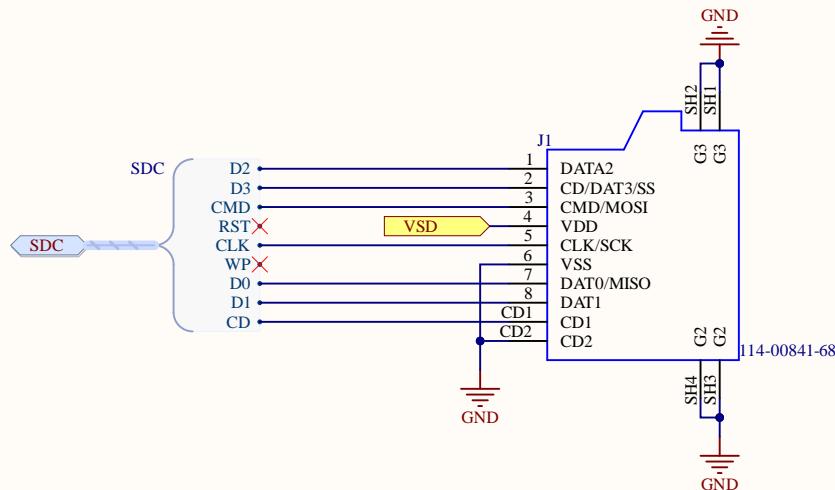
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#### Title: SD Connector

ID: *	Revision 0.1
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Date: 11/22/2022	Time: 1:19:31 PM	Sheet of *
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File: SCH-00009-4.SchDoc	Author: * RevAuthor: Francesca Cenna
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