

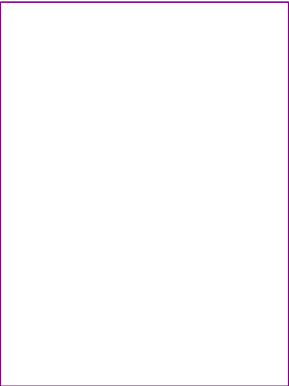
1	2	3	4	5	6
A					
B					
C					
D					

01 Descriptions



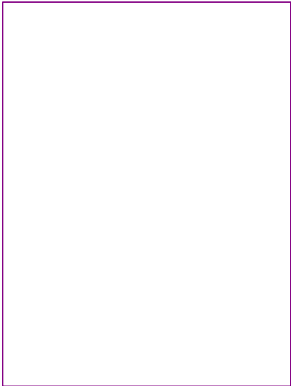
File: 01 Descriptions.kicad_sch

02 Block Diagram



File: 02 Block Diagram.kicad_sch

03 Main



File: 03 Main.kicad_sch



Seed Studio		
Sheet: /		
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Title: 1.14 Inch Display Powered by XIAO nRF52840 Plus		
Size: A4	Date: 2026-06-10	Rev: v1.0
KiCad E.D.A. 10.0.1		Id: 1/4

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REV	Description	DATE	BY
v1.0	First release	2026-06-10	

seeed studio

Seed Studio		
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Size: A4	Date: 2026-06-10	Rev: v1.0
KiCad E.D.A. 10.0.1		Id: 2/4

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A					A
B					B
C					C
D					D
1	2	3	4	5	6

seeed studio

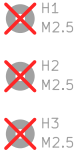
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Size: A4	Date: 2026-06-10	Rev: v1.0
KiCad E.D.A. 10.0.1		Id: 3/4

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Battery Input

User Buttons

Miscellaneous

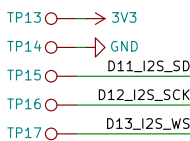


H1
M2.5

H2
M2.5

H3
M2.5

H4
M2.5



TP13 → 3V3

TP14 → GND

TP15 → D11_I2S_SD

TP16 → D12_I2S_SCK

TP17 → D13_I2S_WS

LCD Display

The diagram illustrates the hardware setup for interfacing an LCD display with an Arduino Uno. The LCD module, labeled AFC42-S08FMA-1H, is connected to the Arduino Uno via a J2 connector. The connections are as follows:

- LEDA**: Connected to the 3V3 pin of the Arduino Uno.
- GND**: Connected to the GND pin of the Arduino Uno.
- RESET**: Connected to the 3V3 pin of the Arduino Uno.
- DC**: Connected to the 3V3 pin of the Arduino Uno.
- MOSI**: Connected to the 3V3 pin of the Arduino Uno.
- SCK**: Connected to the 3V3 pin of the Arduino Uno.
- VDD**: Connected to the 3V3 pin of the Arduino Uno.
- CS**: Connected to the 3V3 pin of the Arduino Uno.
- MP**: Connected to the GND pin of the Arduino Uno.

The circuit also includes two transistors, Q1 (CJ3139K) and Q2 (CJ1012), and resistors R5 (10.5R), R7 (10K), and R8 (1M). The LCD module is connected to the Arduino Uno via a J2 connector. The LEDA pin is connected to the 3V3 pin of the Arduino Uno. The GND pin is connected to the GND pin of the Arduino Uno. The RESET pin is connected to the 3V3 pin of the Arduino Uno. The DC pin is connected to the 3V3 pin of the Arduino Uno. The MOSI pin is connected to the 3V3 pin of the Arduino Uno. The SCK pin is connected to the 3V3 pin of the Arduino Uno. The VDD pin is connected to the 3V3 pin of the Arduino Uno. The CS pin is connected to the 3V3 pin of the Arduino Uno. The MP pin is connected to the GND pin of the Arduino Uno.

Wiring diagram for a Grove I2C module (J3 Grove SMD RA). The module has four pins: 1 (VCC), 2 (GND), 3 (SDA), and 4 (SCL). The connections are as follows:

- Pin 1 is connected to a 3V3 supply.
- Pin 2 is connected to GND.
- Pin 3 is connected to the I2C_SDA line.
- Pin 4 is connected to GND.

Id: 4/4

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