

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

Power



File: power.kicad\_sch

Analog



File: analog.kicad\_sch

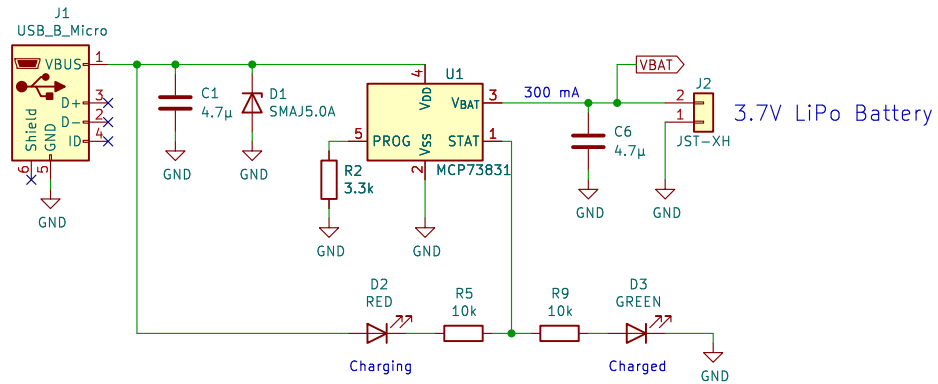
Digital



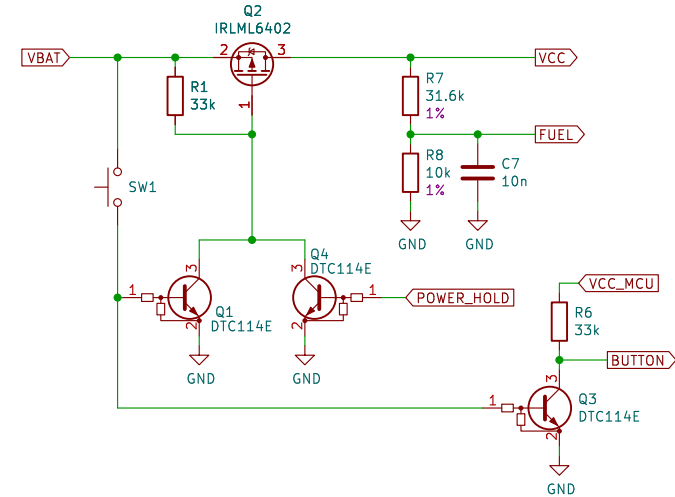
File: digital.kicad\_sch

|                           |       |         |
|---------------------------|-------|---------|
|                           |       |         |
| Sheet: /                  |       |         |
| File: esr-meter.kicad_sch |       |         |
| Title: <b>ESR meter</b>   |       |         |
| Size: A4                  | Date: | Rev:    |
| KiCad E.D.A. kicad 7.0.3  |       | Id: 1/4 |

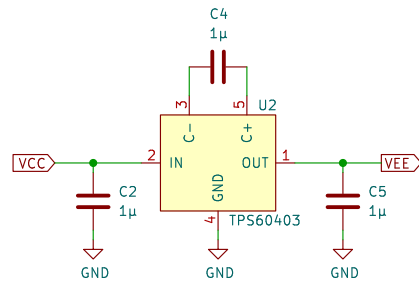
## USB Charger



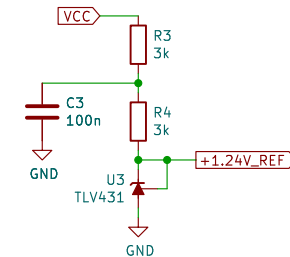
## Power Switch



## Negative Power Supply



## Voltage Reference



Resistors 5% 0.1W unless otherwise noted.  
Capacitors X7R 50V unless otherwise noted.

Sheet: /Power/  
File: power.kicad\_sch

**Title:**

Size: A4

Date:

KiCad E.D.A. kicad 7.0.3

**Rev:**

Id: 2/4

## A



## A



## C



Id: 3/4

1 2 3 4 5

A

B

C

D

1 2 3 4 5

Microcontroller

Display

AVR ISP

NOTE: hold SW1 button down when programming

Resistors 5% 0.1W unless otherwise noted.  
Capacitors X7R 50V unless otherwise noted.

Sheet: /Digital/  
File: digital.kicad\_sch

**Title:**

Size: A4 Date: Rev:

KiCad E.D.A. kicad 7.0.3 Id: 4/4

1 2 3 4 5

A

B

C

D

1 2 3 4 5

Microcontroller

Display

AVR ISP

NOTE: hold SW1 button down when programming

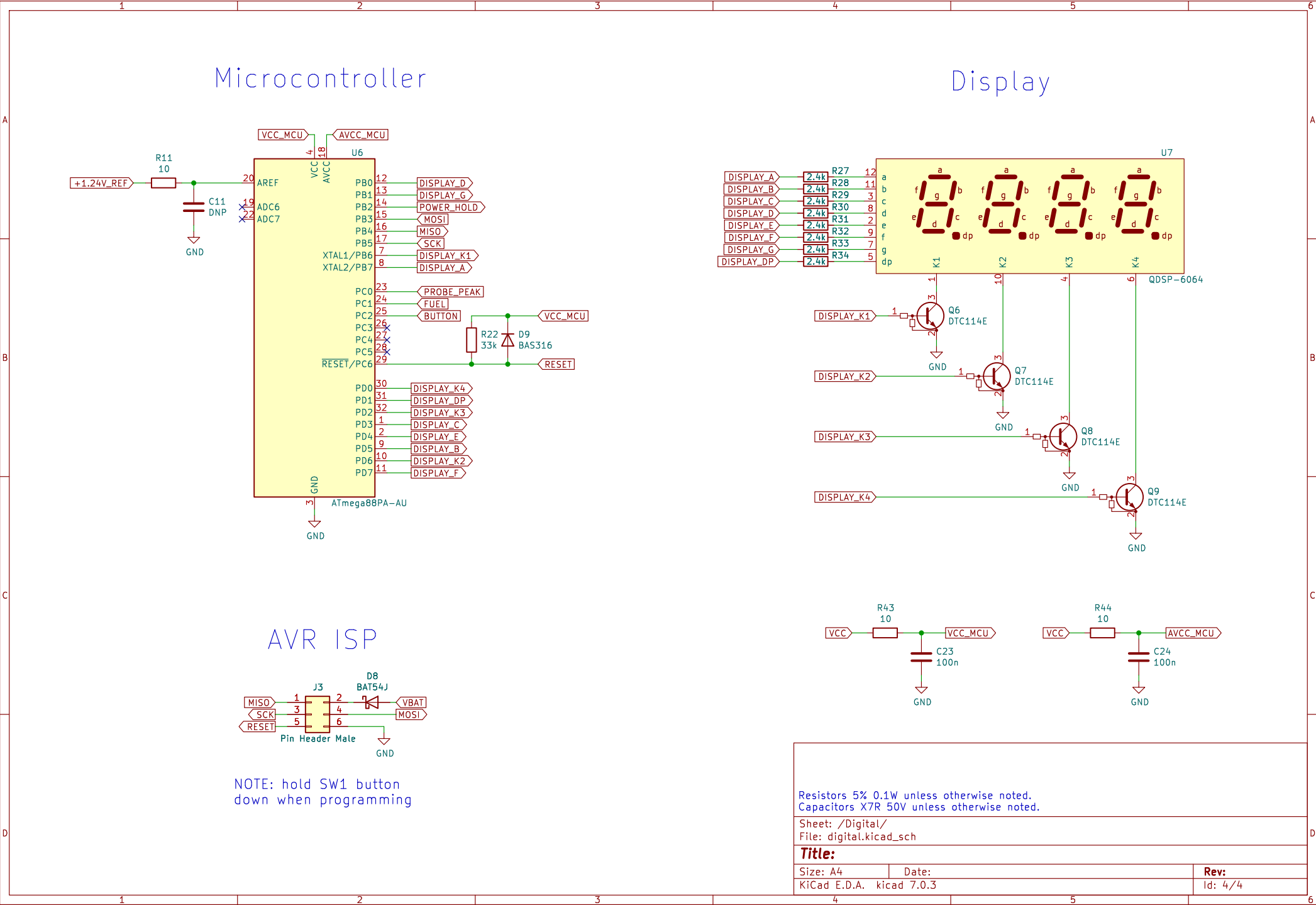
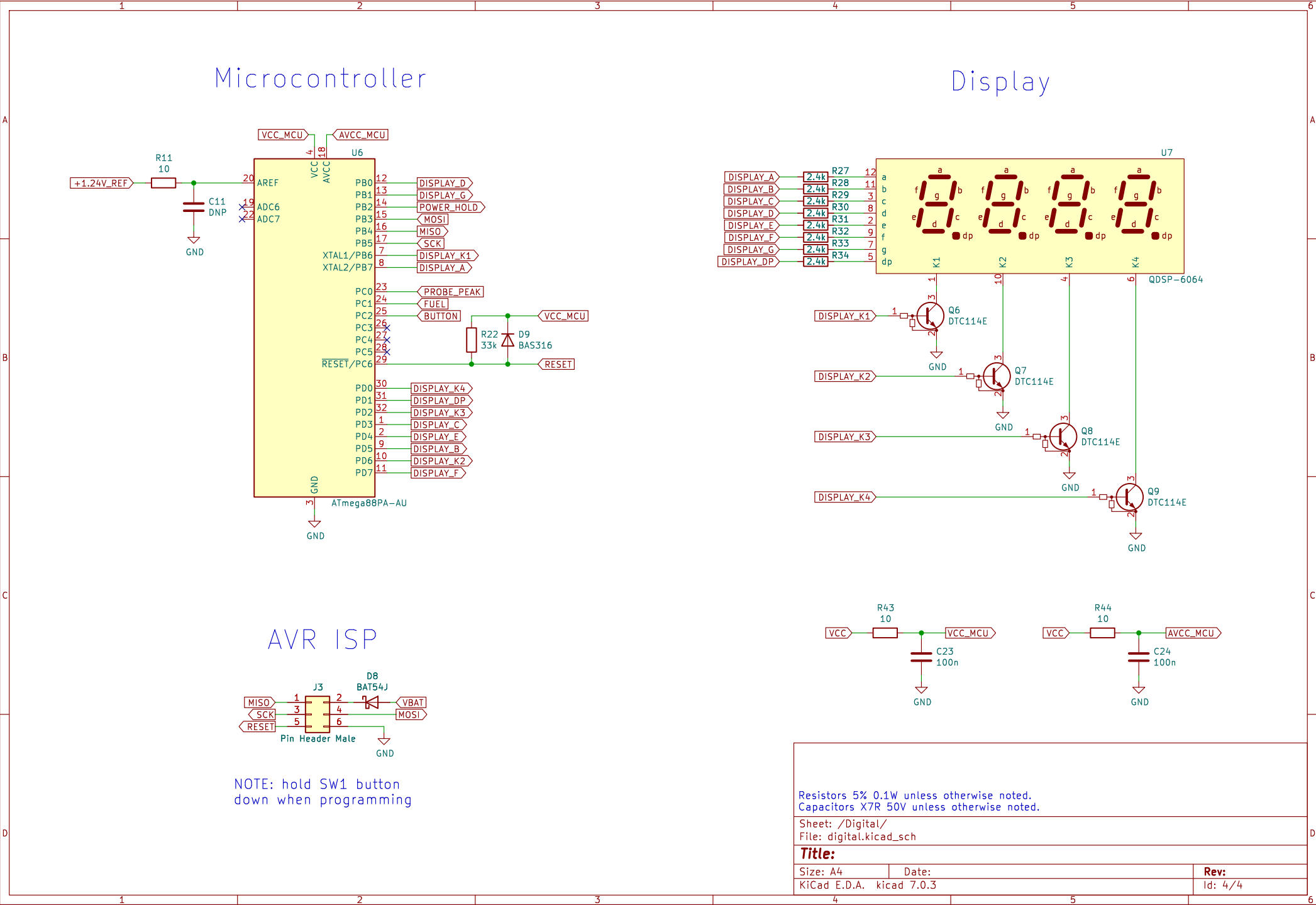
Resistors 5% 0.1W unless otherwise noted.  
Capacitors X7R 50V unless otherwise noted.

Sheet: /Digital/  
File: digital.kicad\_sch

**Title:**

Size: A4 Date: Rev:

KiCad E.D.A. kicad 7.0.3 Id: 4/4



Microcontroller

Display

AVR ISP

NOTE: hold SW1 button down when programming

Resistors 5% 0.1W unless otherwise noted.  
Capacitors X7R 50V unless otherwise noted.

Sheet: /Digital/  
File: digital.kicad\_sch

Title:

Size: A4 Date:

KiCad E.D.A. kicad 7.0.3 Rev:

Id: 4/4

1 2 3 4 5

A

B

C

D

1 2 3 4 5

Microcontroller

Display

AVR ISP

NOTE: hold SW1 button down when programming

Resistors 5% 0.1W unless otherwise noted.  
Capacitors X7R 50V unless otherwise noted.

Sheet: /Digital/  
File: digital.kicad\_sch

**Title:**

Size: A4 Date: Rev:

KiCad E.D.A. kicad 7.0.3 Id: 4/4

[illegible][illegible]

1 2 3 4 5

A

B

C

D

1 2 3 4 5

Microcontroller

Display

AVR ISP

NOTE: hold SW1 button down when programming

Resistors 5% 0.1W unless otherwise noted.  
Capacitors X7R 50V unless otherwise noted.

Sheet: /Digital/  
File: digital.kicad\_sch

**Title:**

Size: A4 Date: Rev:

KiCad E.D.A. kicad 7.0.3 Id: 4/4

1 2 3 4 5

A

B

C

D

1 2 3 4 5

Microcontroller

Display

AVR ISP

NOTE: hold SW1 button down when programming

Resistors 5% 0.1W unless otherwise noted.  
Capacitors X7R 50V unless otherwise noted.

Sheet: /Digital/  
File: digital.kicad\_sch

**Title:**

Size: A4 Date: Rev:

KiCad E.D.A. kicad 7.0.3 Id: 4/4