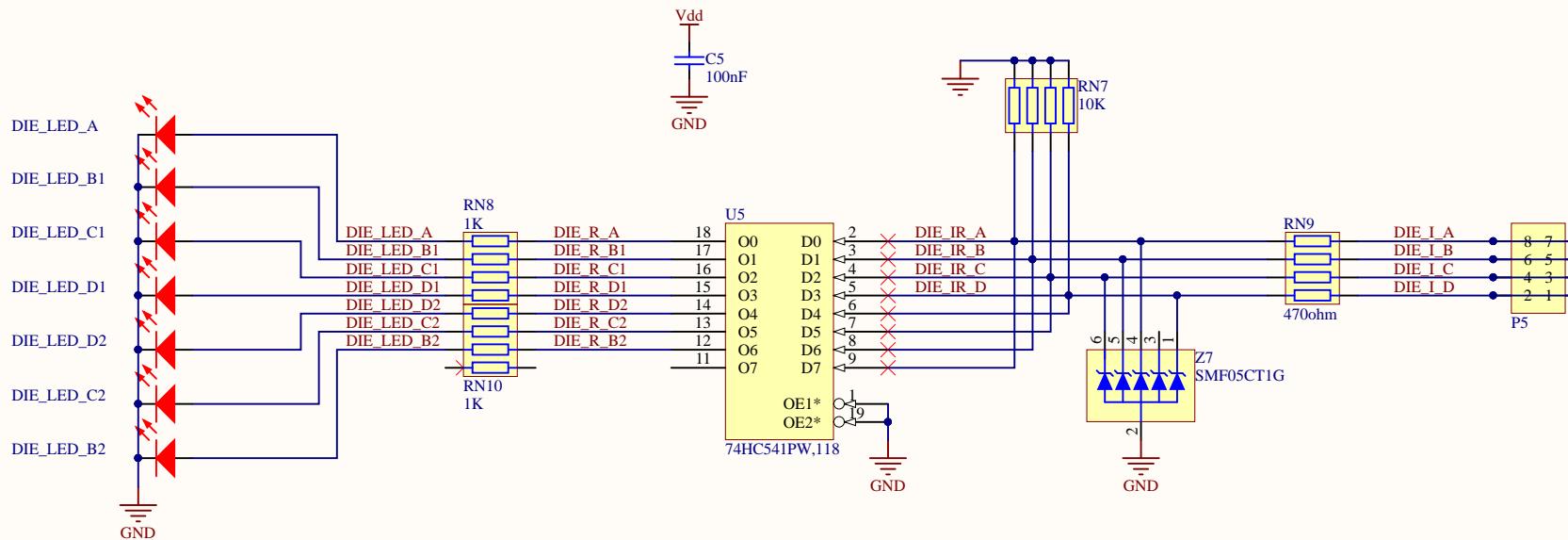


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Title  
DigitalLabBoard\_Die.SchDoc

| Size  | Number                                 | Revision  |
|-------|--|-----------|
| A4    |  | 0.2       |
| Date: | 11/11/2019                             | Sheet of  |
| File: | C:\Users...\DigitalLabBoard_Die.SchDoc | Drawn By: |

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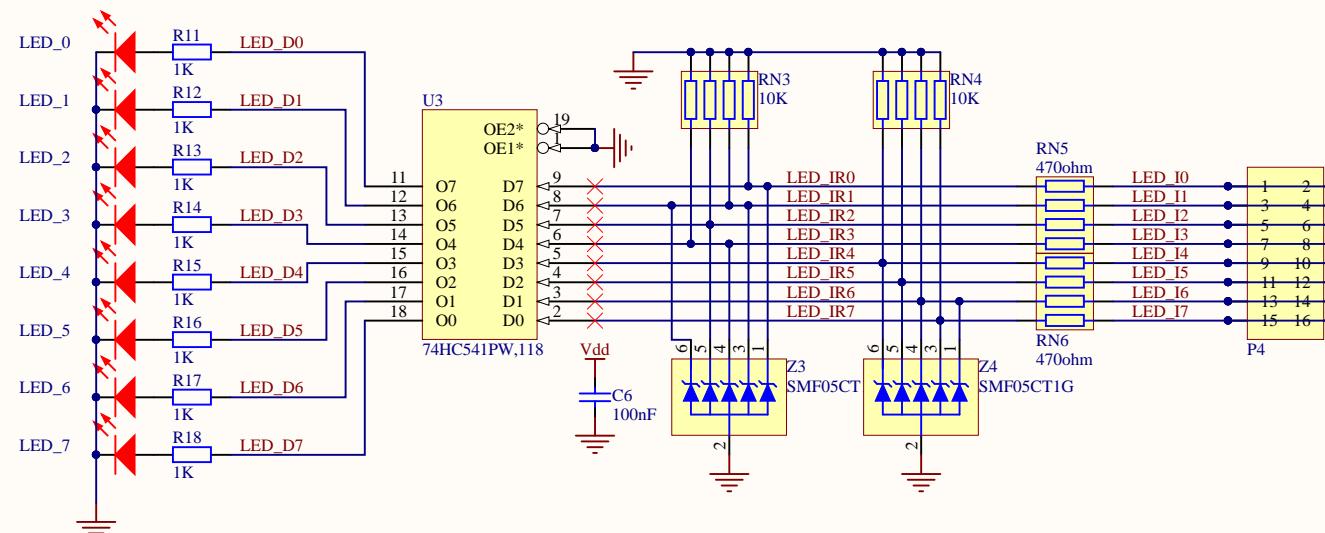
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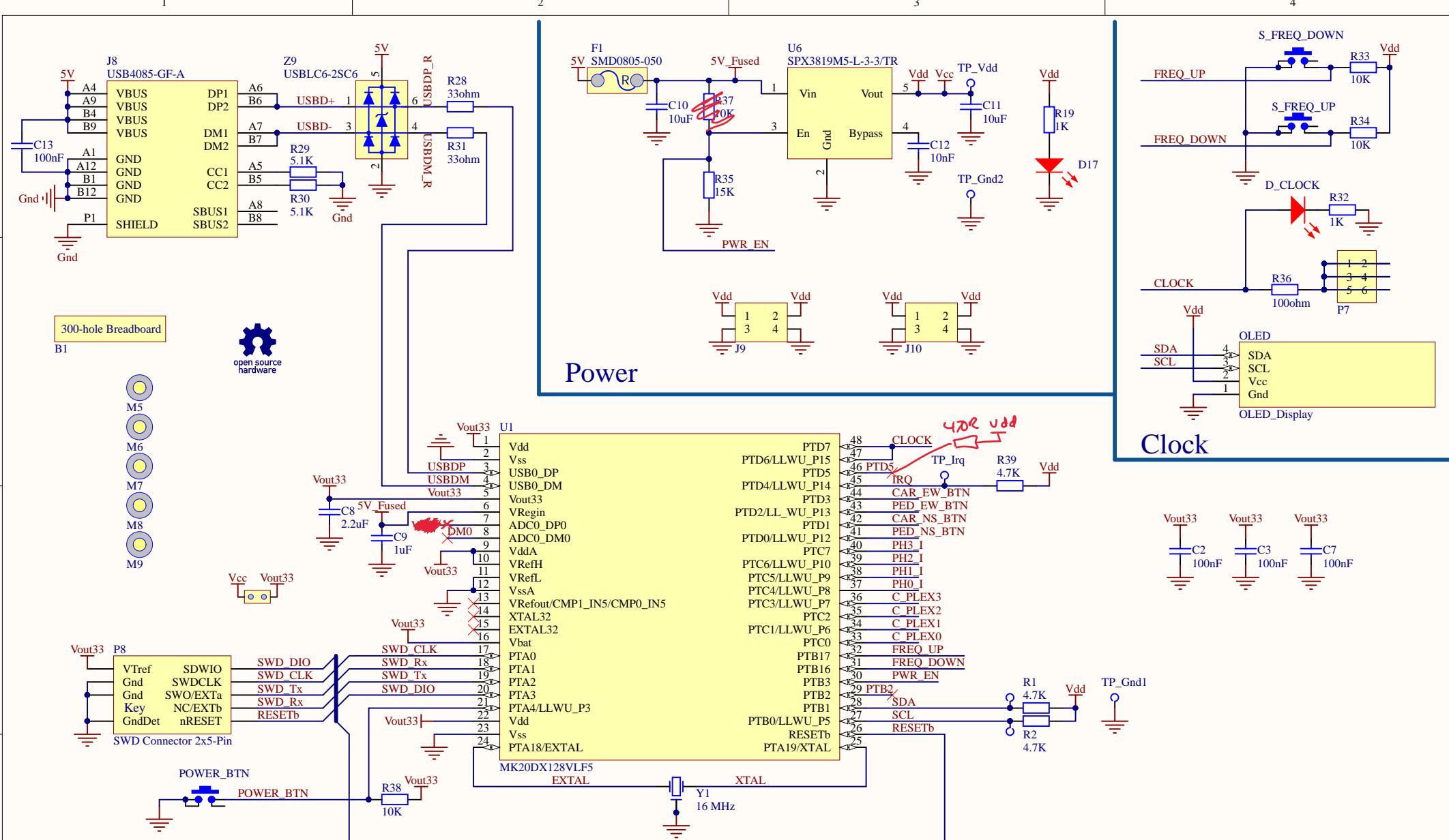
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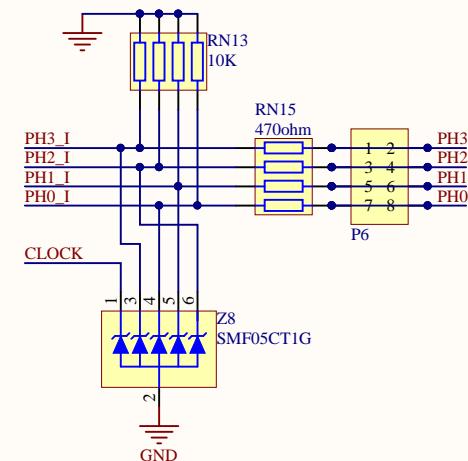
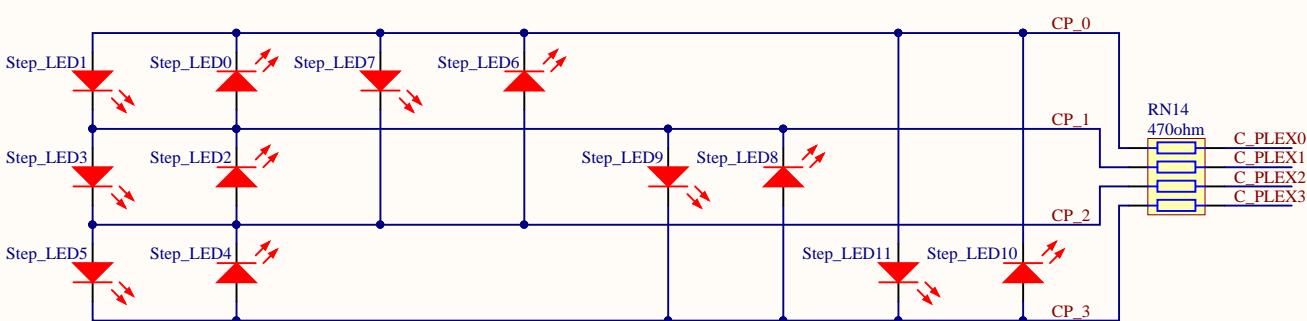


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|-------|--|----------|----|
| Title | DigitalLabBoard_LEDs.SchDoc                        |          |    |
| Size  | Number   | Revision |    |
| A4    |  | 0.2      |    |
| Date: | 11/11/2019   | Sheet    | of |
| File: | C:\Users\...\DigitalLabBoard_LEDs.SchDoc\\rawn By: |          |    |



| Title: DigitalLabBoard_Processor.SchDoc            |        |              |
|--|--------|--------------|
| JLC_Serial_Number                                  |        | Revision 0.2 |
| Size A4  | Number | Revision 0.2 |
| Date: 11/11/2019                                   |        | Sheet of     |
| File: C:\Users...\DigitalLabBoard_Processor.SchDoc |        | Drawn By:    |

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Title: DigitalLabBoard\_Stepper.SchDoc

| Size  | Number                                      | Revision  |
|-------|---|-----------|
| A4    |   | 0.2       |
| Date: | 11/11/2019                                  | Sheet of  |
| File: | C:\Users\...\DigitalLabBoard_Stepper.SchDoc | Drawn By: |

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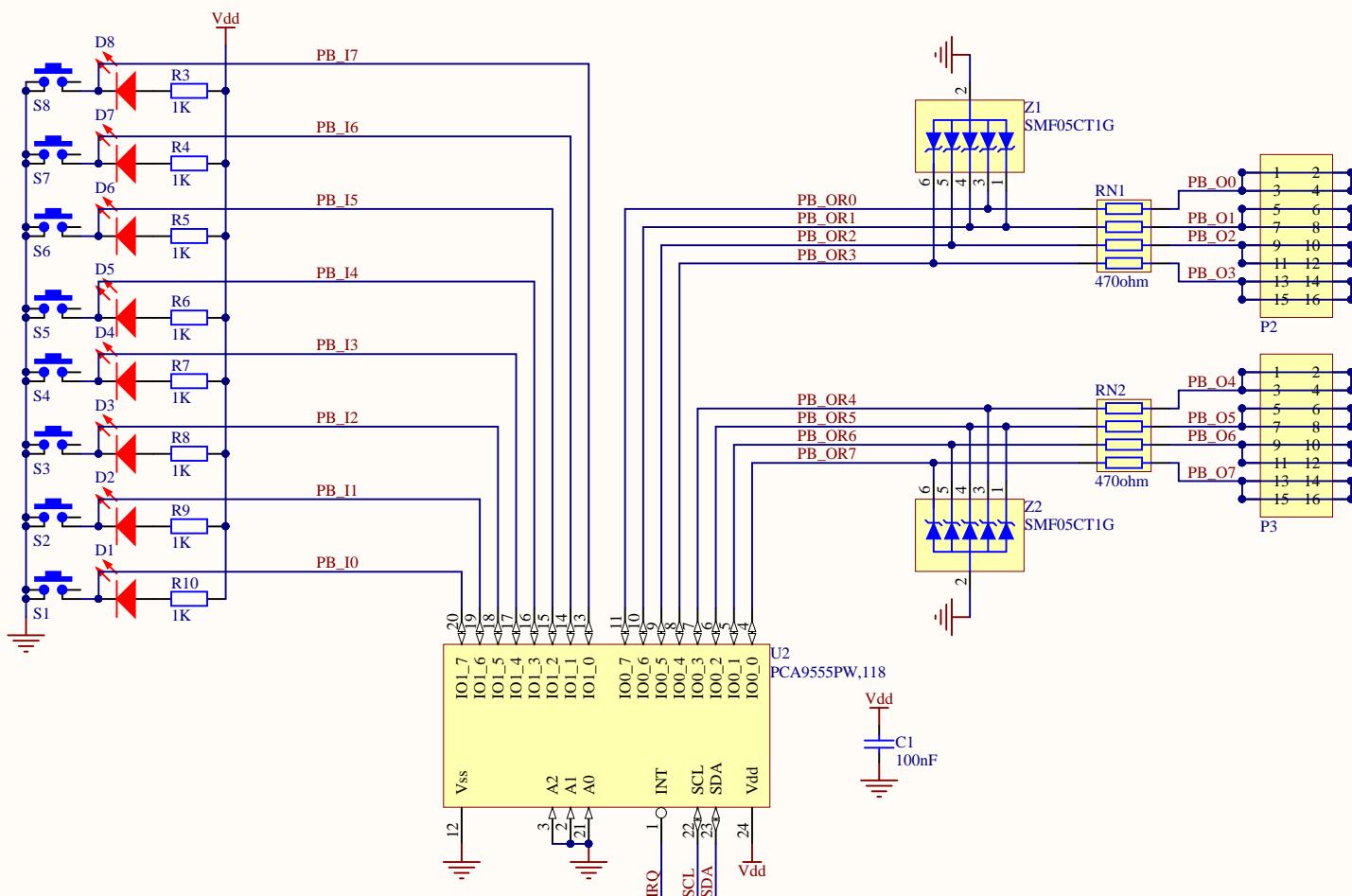
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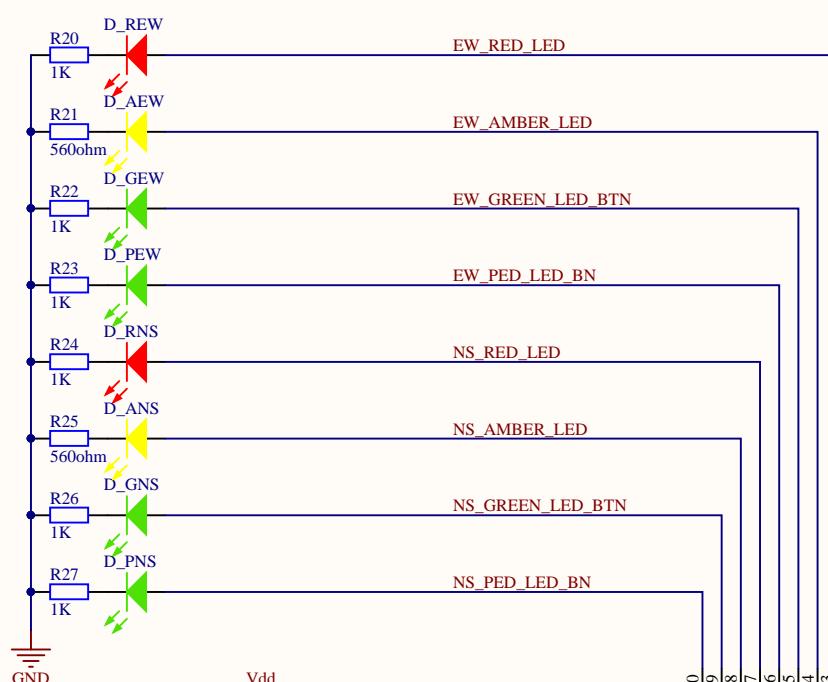
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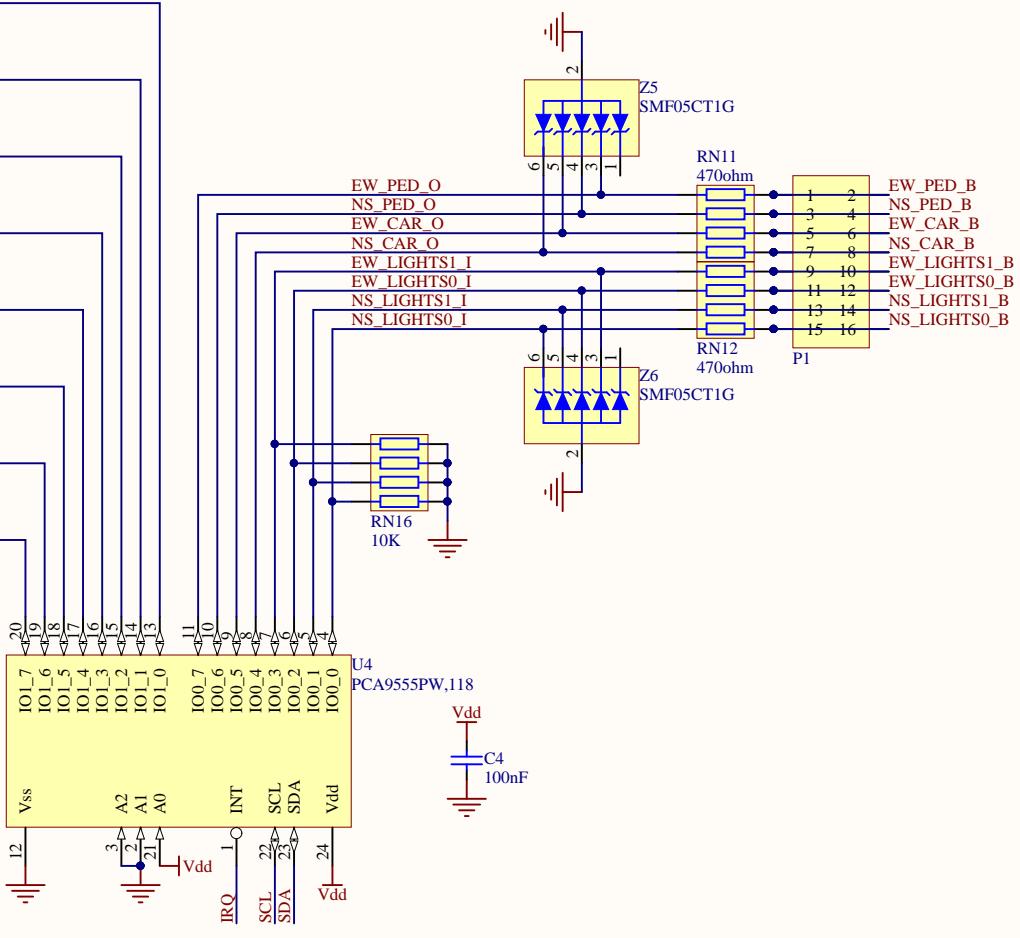
Title: DigitalLabBoard\_Switches.SchDoc

| Size  | Number                                      | Revision  |
|-------|---|-----------|
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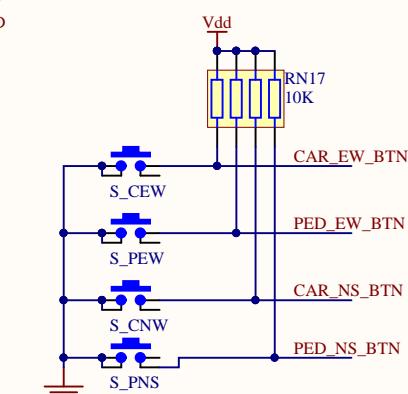
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|---|-----------|-----------------|
| Title<br>DigitalLabBoard_Traffic.SchDoc             |           |                 |
| Size<br>A4  | Number    | Revision<br>0.2 |
| Date:<br>11/11/2019                                 | Sheet     | of              |
| File:<br>C:\Users...\DigitalLabBoard_Traffic.SchDoc | Drawn By: |                 |

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DIGITAL ELECTRONICS DESIGN  
SWINBURNE UNIVERSITY  
OF TECHNOLOGY

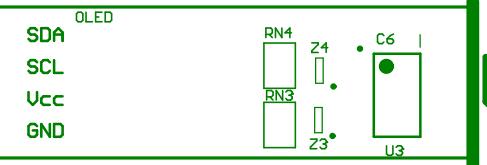


Based on a design by  
Jordan Boekel, Ben Gregg,  
Patrick Curtain

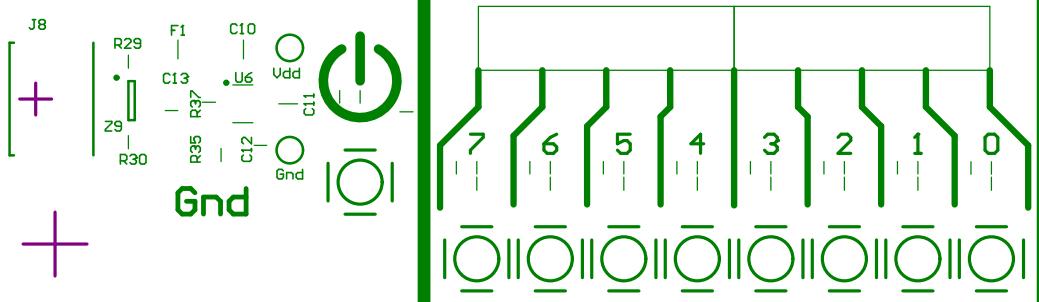
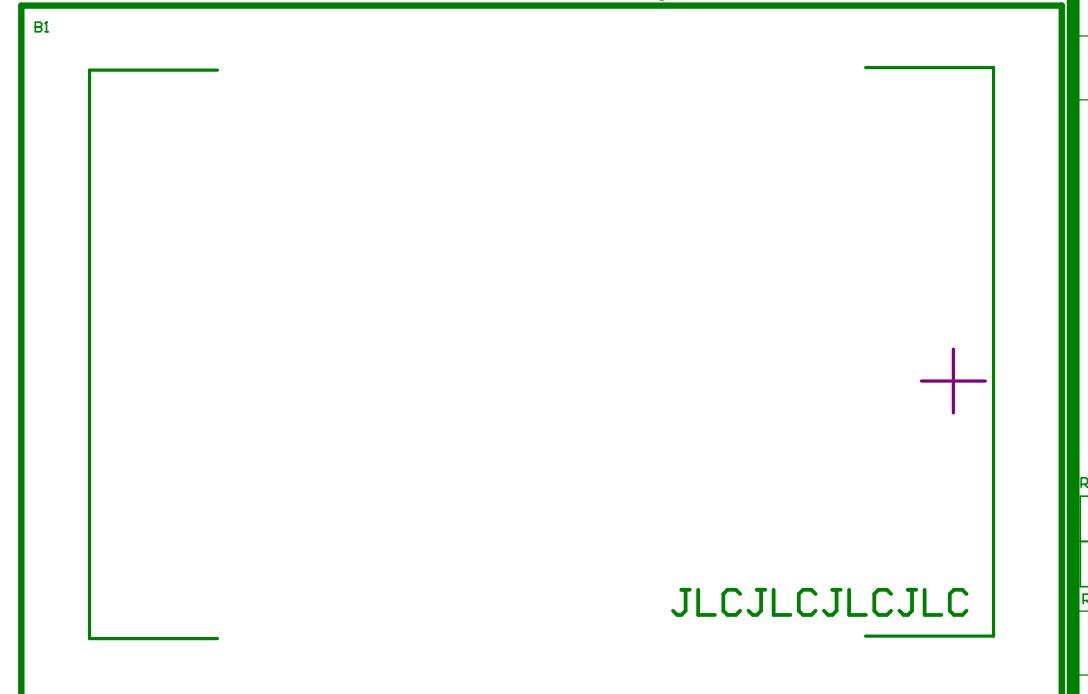
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If found please call [REDACTED]

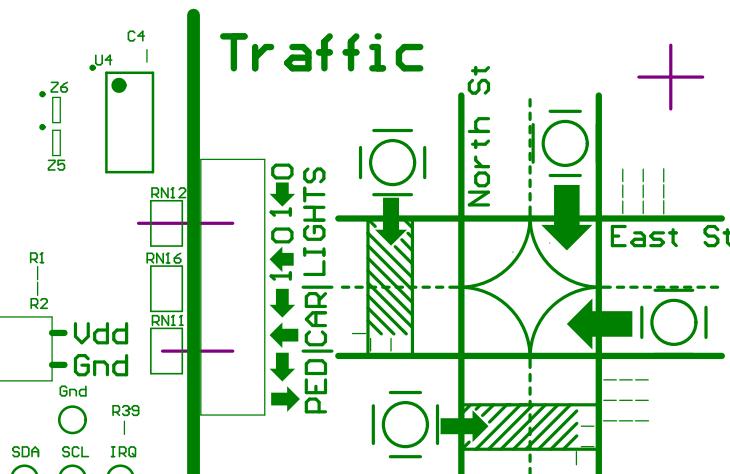
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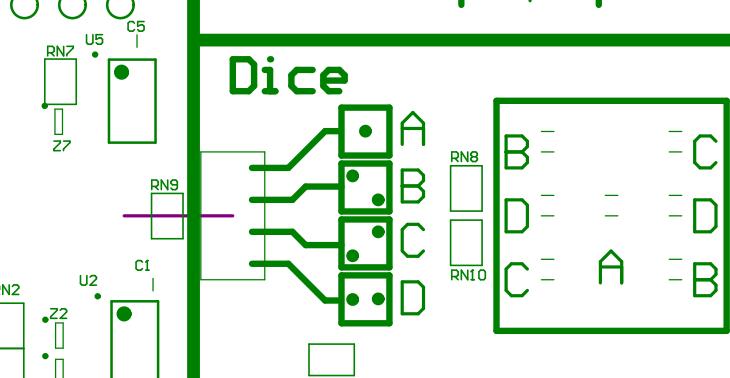
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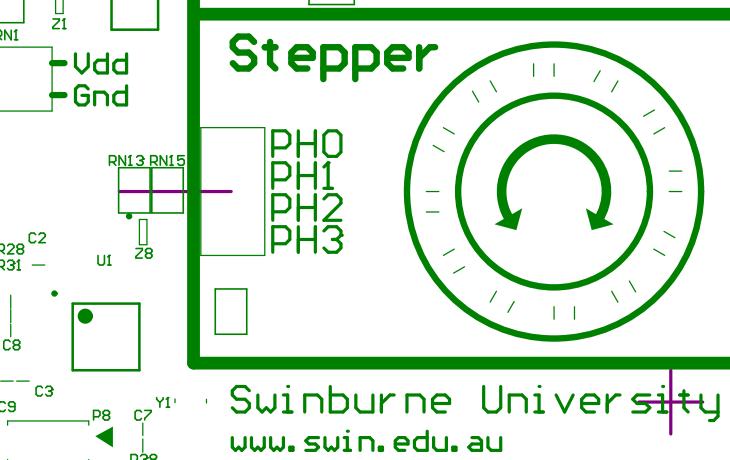
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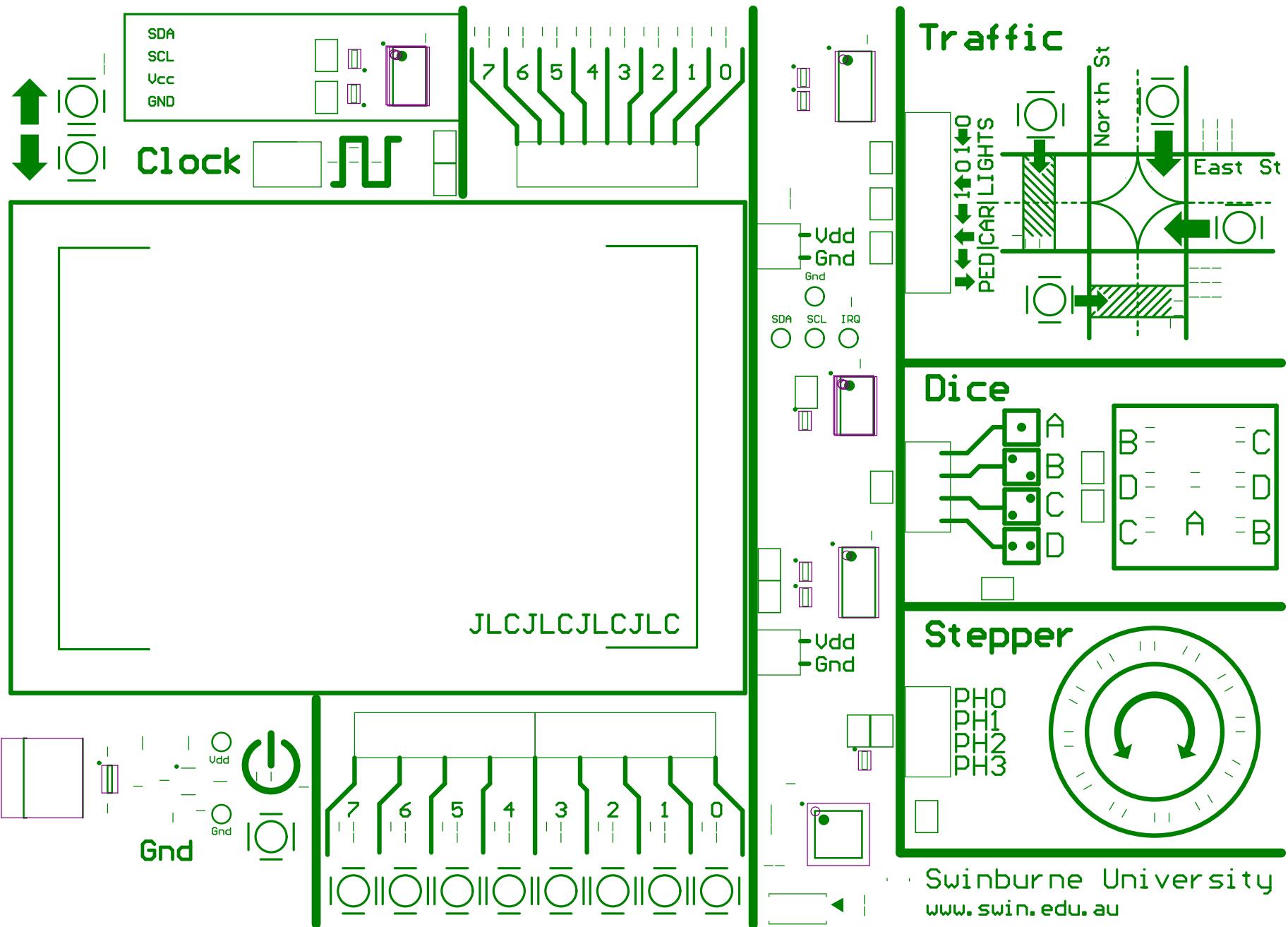


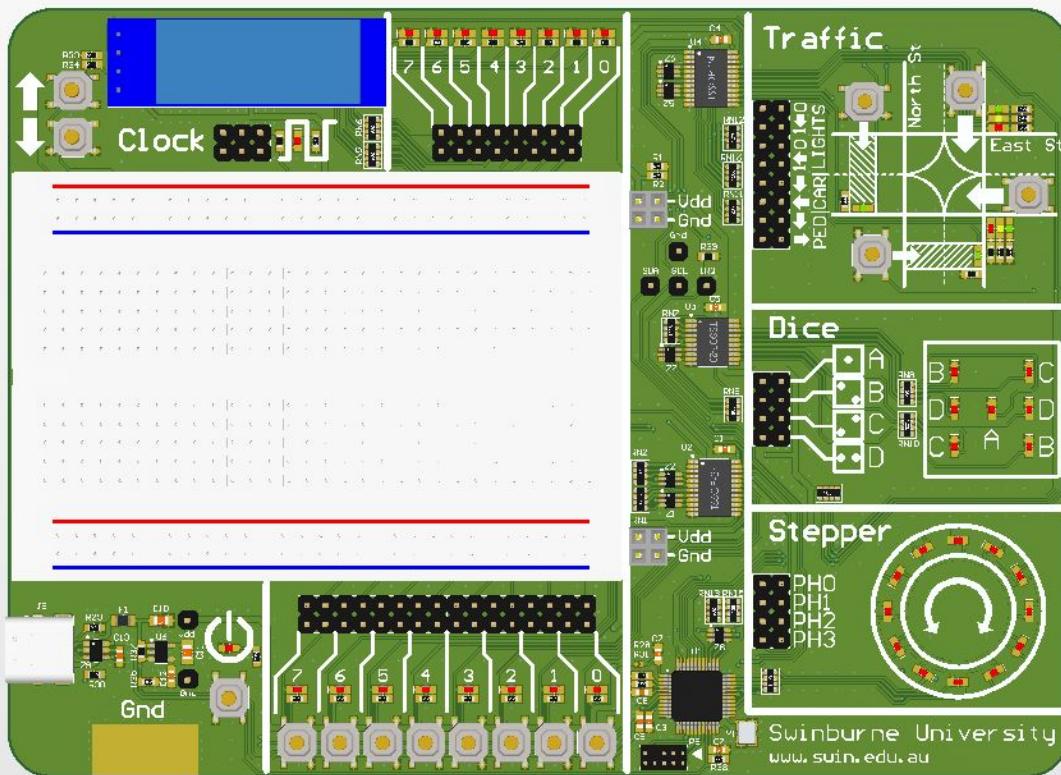
Dice



Stepper









# Bill of Materials

Bill of Materials for Project [D]

Source Data From:

DigitalLabBoard.PrjPCB

Project:

DigitalLabBoard.PrjPCB

Variant:

None

|                |            |             |
|----------------|------------|-------------|
| Creation Date: | 11/11/2019 | 11:57 AM    |
| Print Date:    | 11-Nov-19  | 11:57:33 AM |

| Footprint              | Comment               | Farnell PN | Digikey           | LCSC   |
|------------------------|-----------------------|------------|-------------------|--------|
| TSSOP20_N              | 74HC541PW,118         | 2444902    | 1727-5960-1-ND    | C5657  |
| Breadboard - 300 holes | Breadboard - 300 Hole |            |                   |        |
| CCNP1608-0603          | 1uF                   |            |                   | C15849 |
| CCNP1608-0603          | 2.2uF                 |            |                   | C23630 |
| CCNP1608-0603          | 10nF                  |            |                   | C57112 |
| CCNP2012-0805          | 10uF                  |            |                   | C15850 |
| CCNP1608-0603          | 100nF                 |            |                   | C14663 |
| Crystal_SMD_3.2x2.5    | 16 MHz                |            |                   | C13738 |
| HDR2X3S                | Header 2x3            |            |                   |        |
| HDR2X4S                | Header 2x4            |            |                   |        |
| HDR2X8S                | Header 2x8            |            |                   |        |
| BCS-102-L-D-TE         | Header 2x2            |            |                   |        |
| LED1608-0603-GREEN     | LED Green             | 1581242    |                   | C72043 |
| LED1608-0603-RED       | LED Red               | 1581239    |                   | C2286  |
| LED1608-0603-Yellow    | LED Yellow            | 5790852    |                   | C72038 |
| SolderBridge(Open)     | LinkOpen              |            |                   |        |
| TSQFP50P900X900-48M    | MK20DX128VLF5         | 2133571    | MK20DX128VLF50-ND |        |
| Bumper_RBS-2           | Plastic Bumper        |            | RPC4821-ND        |        |
| OLED_Display_128x32    | OLED Display          |            |                   |        |