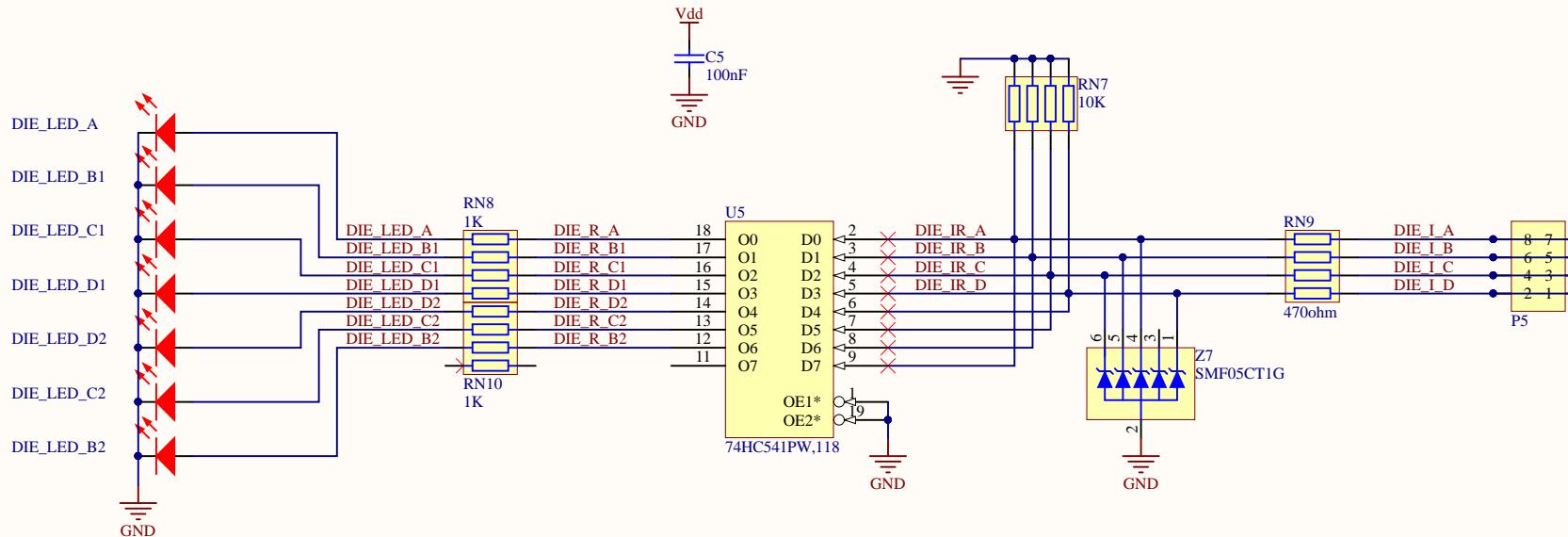


A

A



B

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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:

A

A

B

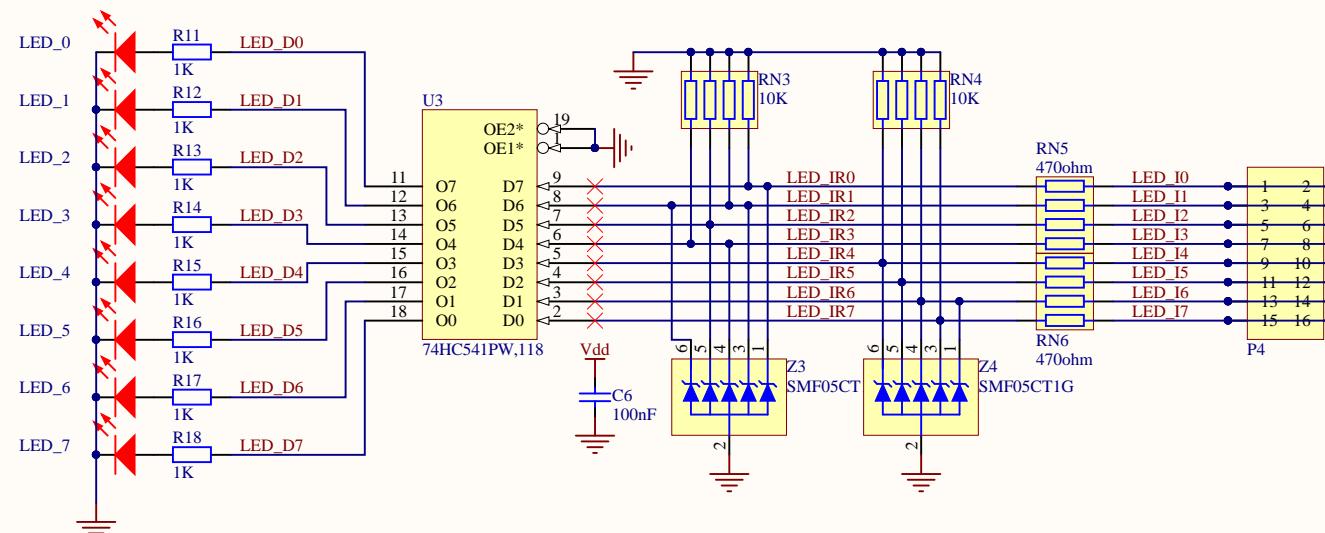
B

C

C

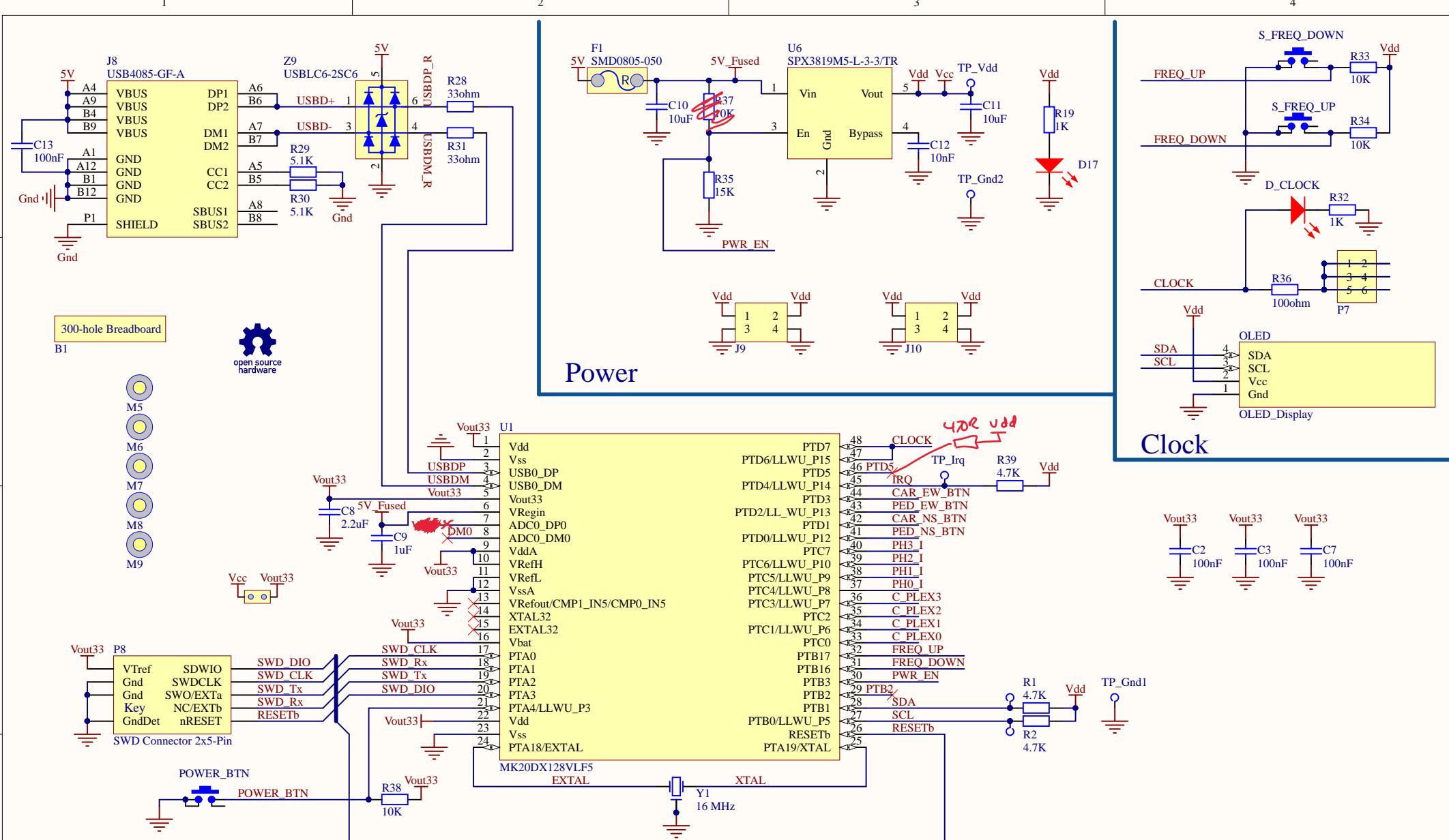
D

D



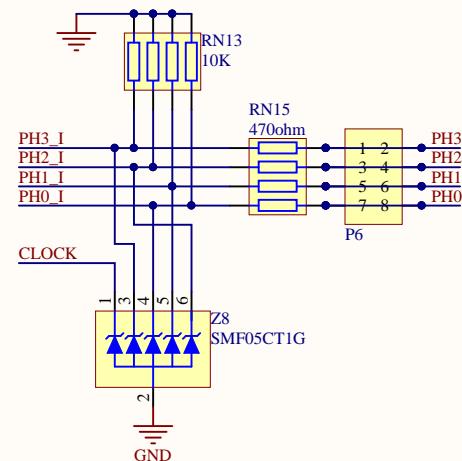
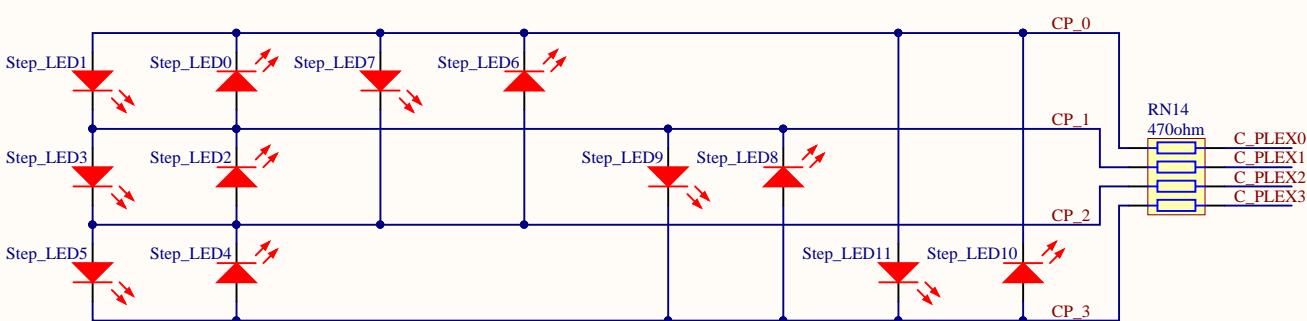
Title: DigitalLabBoard\_LEDs.SchDoc

Size	Number	Revision
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Date:	11/11/2019	Sheet of
File:	C:\Users\...\DigitalLabBoard_LEDs.SchDoc	Drawn By:



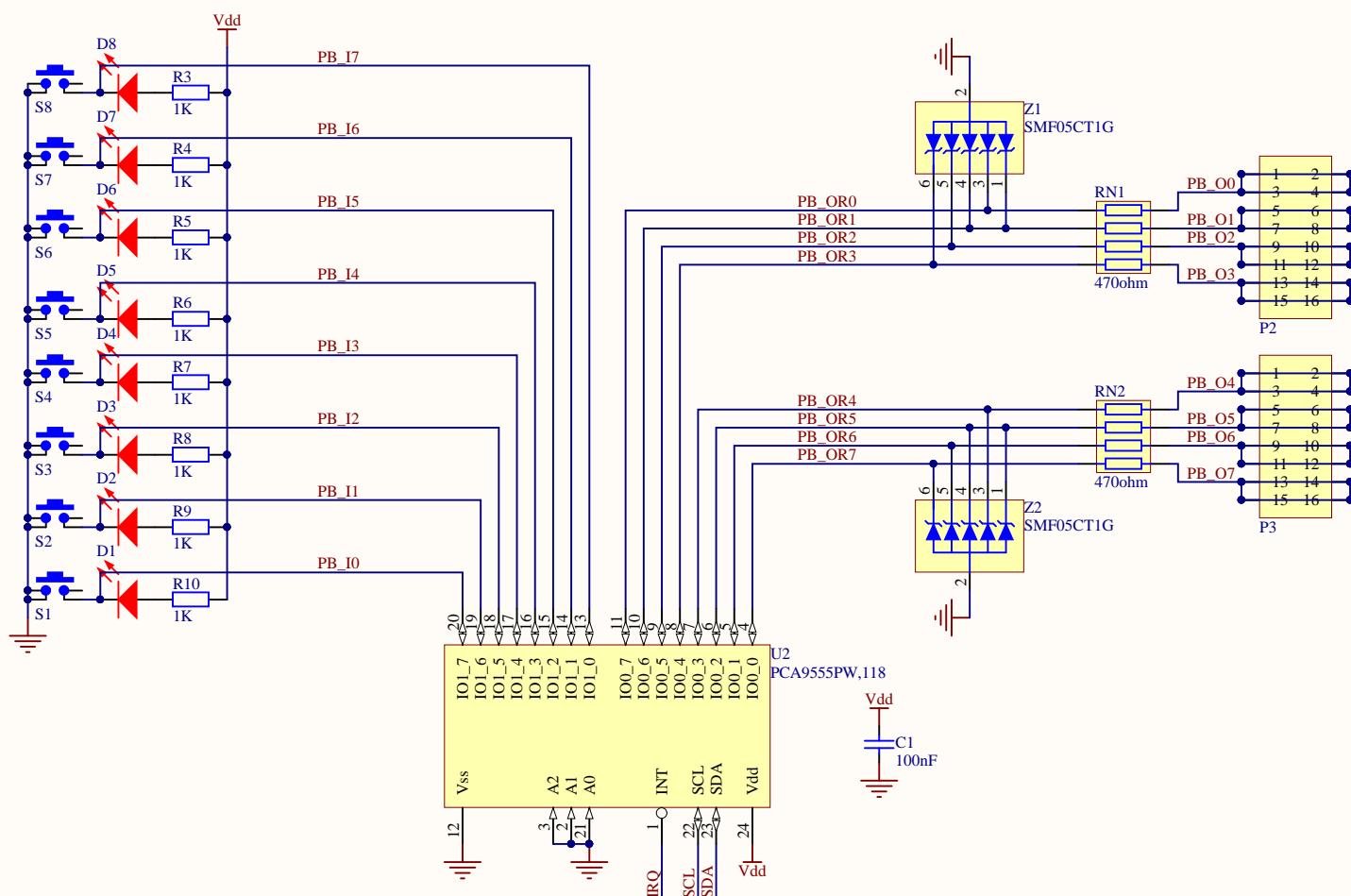
Title		JLC_Serial_Number
Size	Number	Revision
A4		0.2
Date:	11/11/2019	Sheet of
File:	C:\Users...\DigitalLabBoard_Processor.SchDoc	

A



Title: DigitalLabBoard\_Stepper.SchDoc

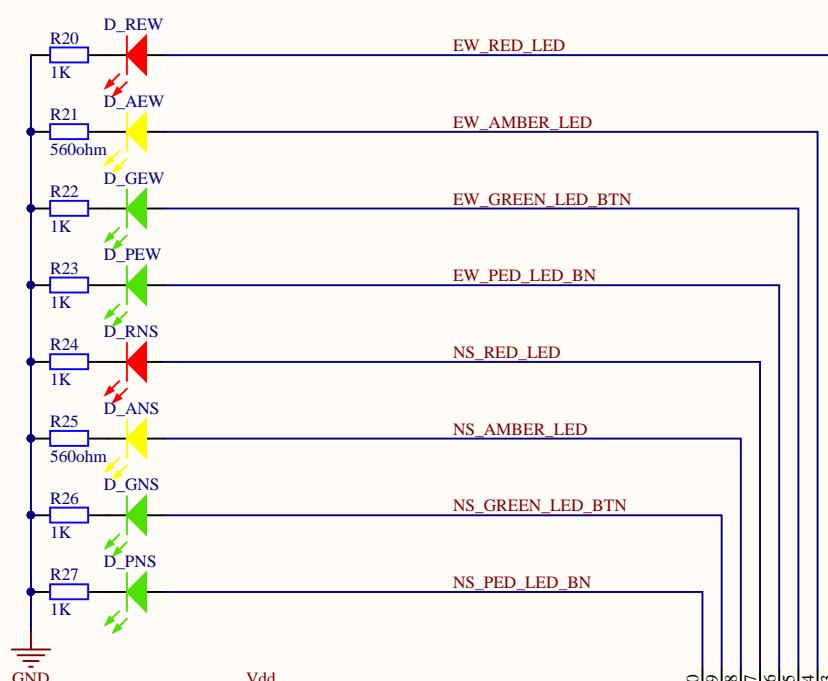
Size	Number	Revision
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Date:	11/11/2019	Sheet of
File:	C:\Users...\DigitalLabBoard_Stepper.SchDoc	Drawn By:



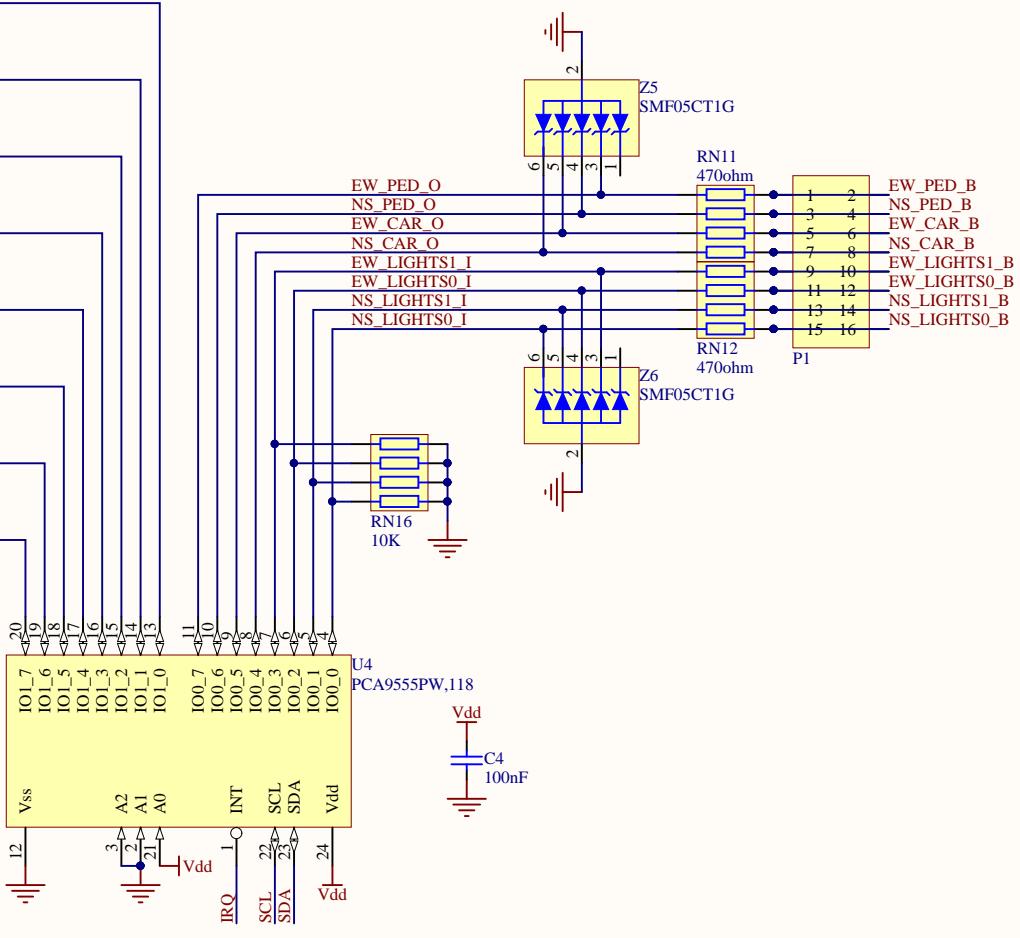
Title: DigitalLabBoard\_Switches.SchDoc

Size	Number	Revision
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Date:	11/11/2019	Sheet of
File:	C:\Users...\DigitalLabBoard_Switches.SchDoc	

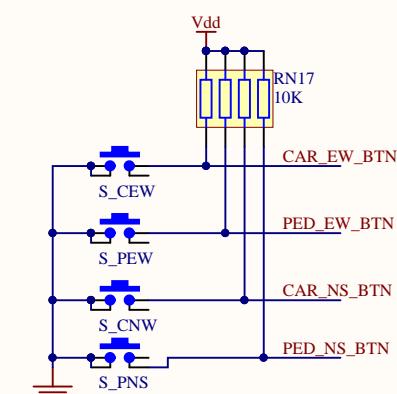
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Title: DigitalLabBoard_Traffic.SchDoc		
Size: A4	Number:	Revision: 0.2
Date: 11/11/2019	Sheet:	of
File: C:\Users\...\DigitalLabBoard_Traffic.SchDoc	Drawn By:	

145.00

SDA

SCL

Vcc

Gnd

Clock

RN4

Z1

Z2

Z3

Z4

Z5

Z6

Z7

Z8

Z9

Z10

Z11

Z12

Z13

Z14

Z15

Z16

Z17

Z18

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DIGITAL ELECTRONICS DESIGN  
SWINBURNE UNIVERSITY  
OF TECHNOLOGY

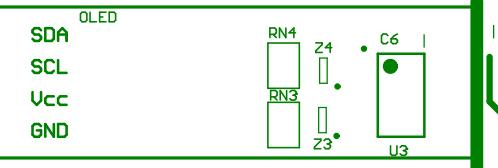


Based on a design by  
Jordan Boekel, Ben Gregg,  
Patrick Curtain

Ver = 0.2

If found please call (+613) 9214.8319

145.00



Clock

B1

JLCJLCJLCJLC

Gnd

J8

+/-

R29

Z9

R30

F1

C10

C13

U6

Vdd

C11

C12

C1

Gnd

-/-

R37

R35

C1

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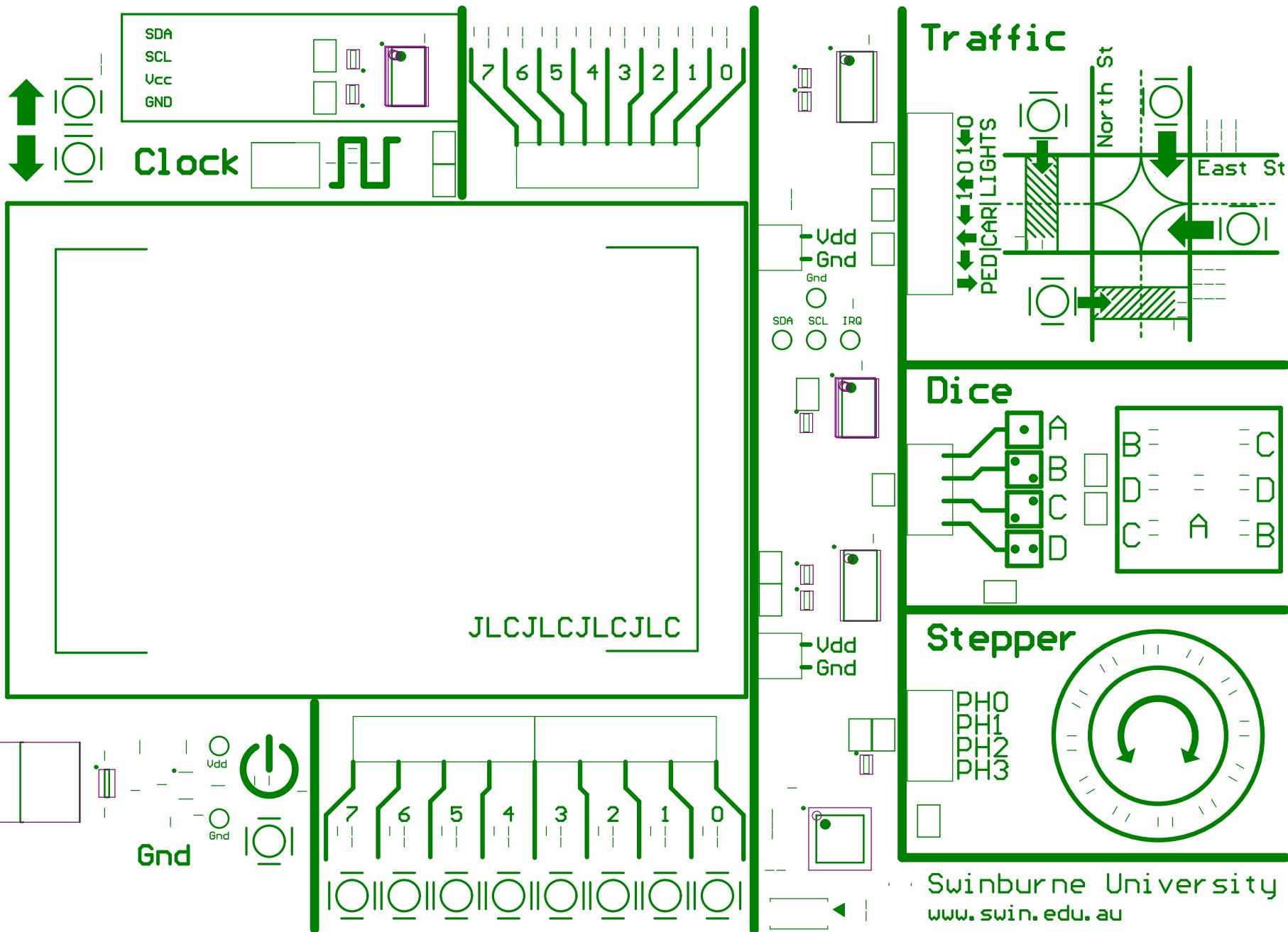
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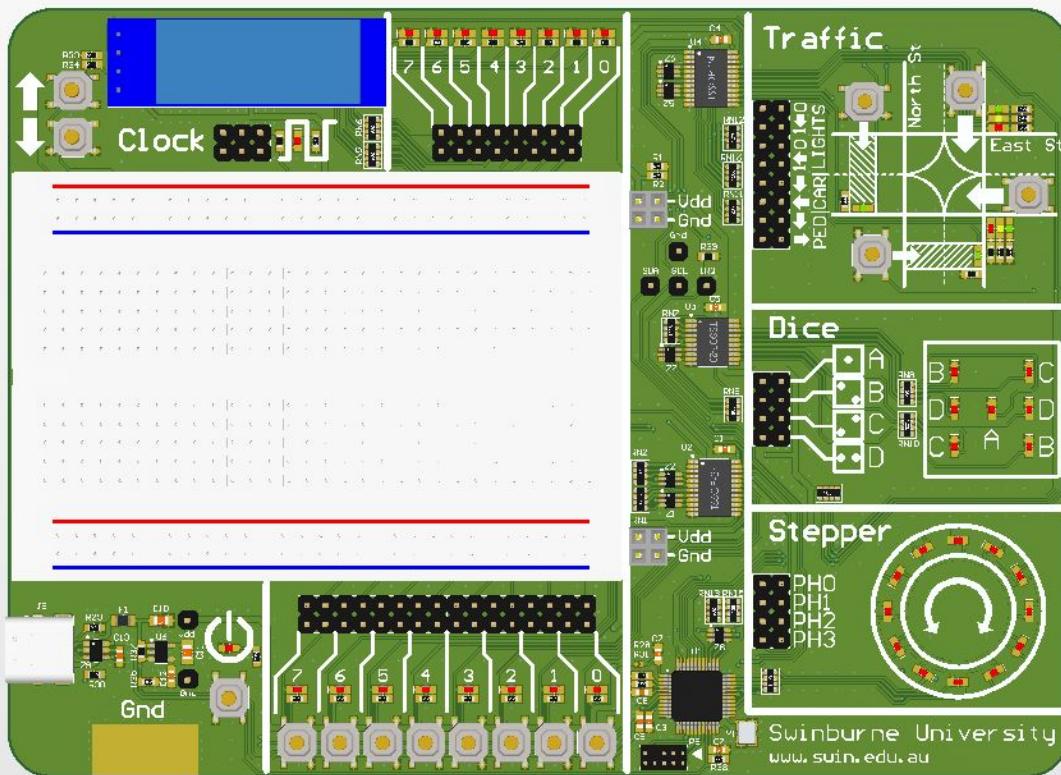
R37

R35

C1



Swinburne University  
[www.swin.edu.au](http://www.swin.edu.au)





# 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			