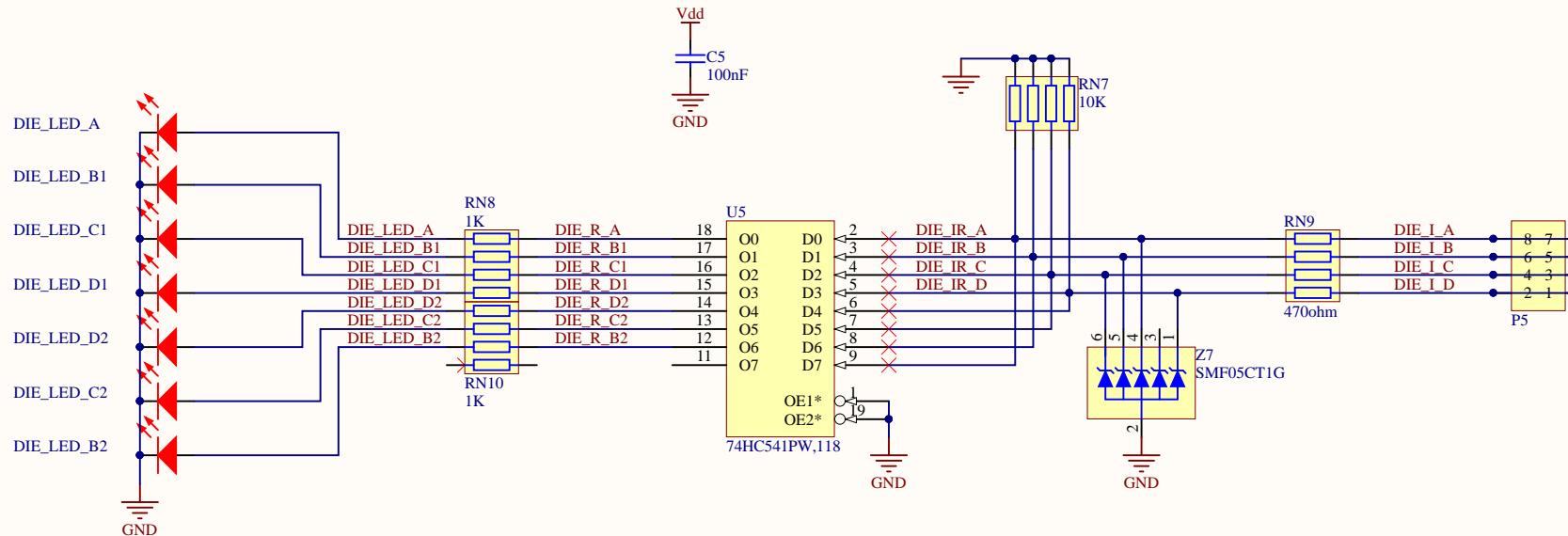


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Title
DigitalLabBoard_Die.SchDoc

Size	Number	Revision
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Date:	17/11/2019	Sheet of
File:	C:\Users\.\DigitalLabBoard_Die.SchDoc	Drawn By:

A

A

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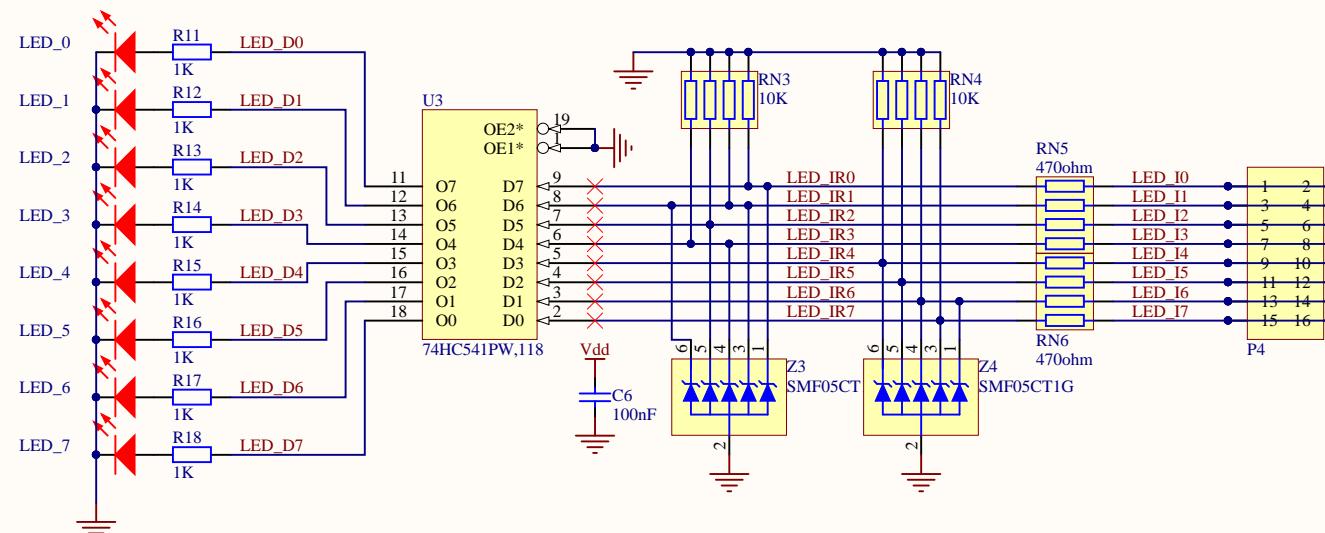
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Title: DigitalLabBoard_LEDs.SchDoc

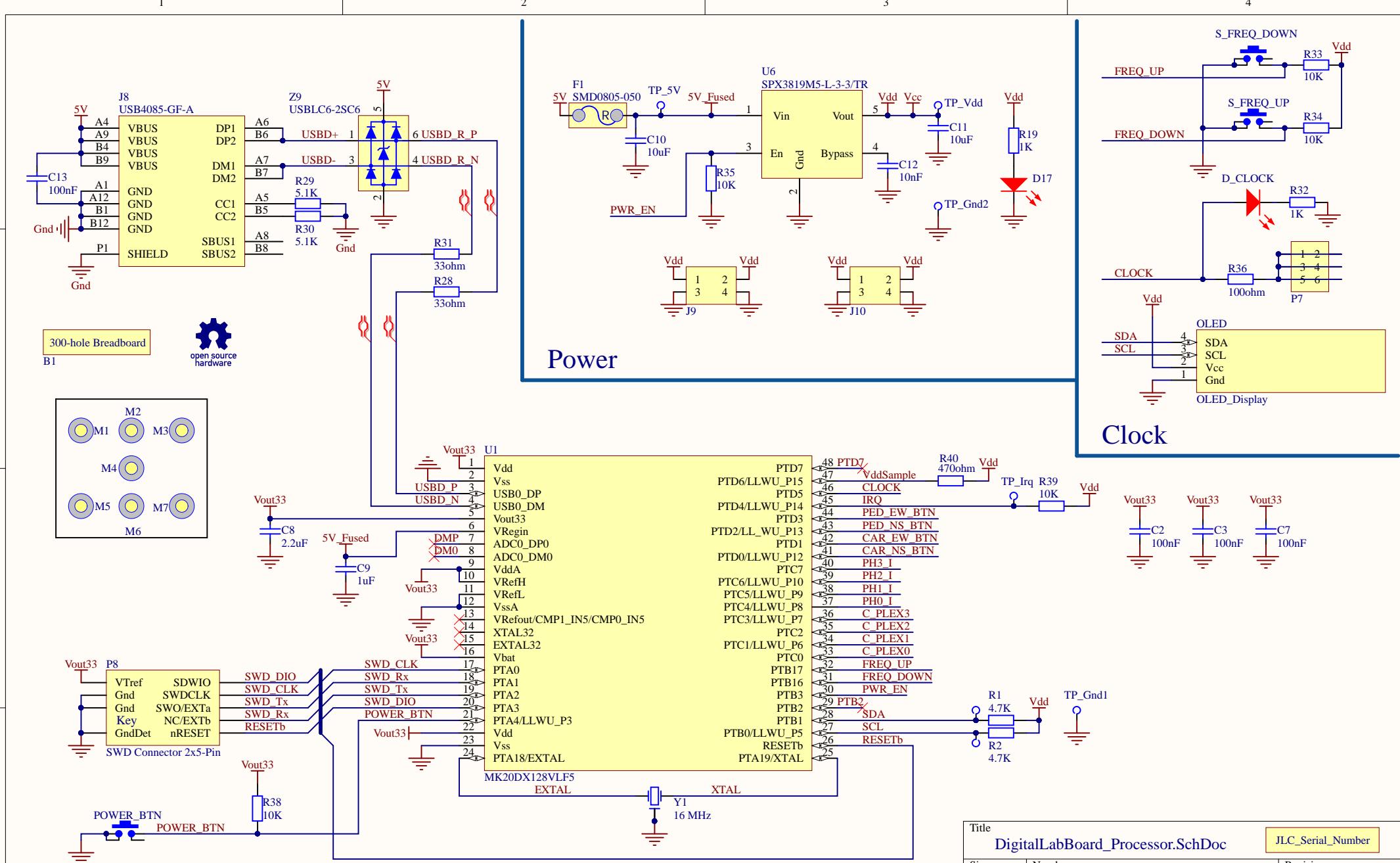
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Title

DigitalLabBoard_Processor.SchDoc

JLC_Serial_Number

Size

Number

Revision

A4

1.0

Date:

17/11/2019

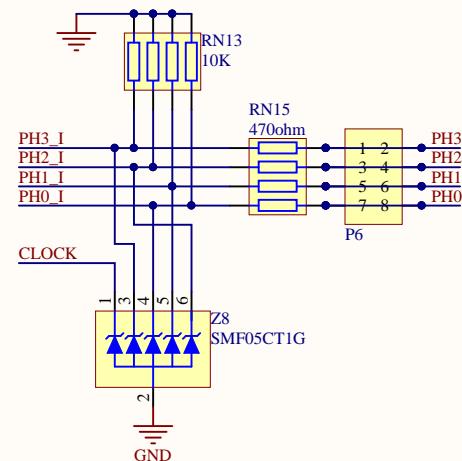
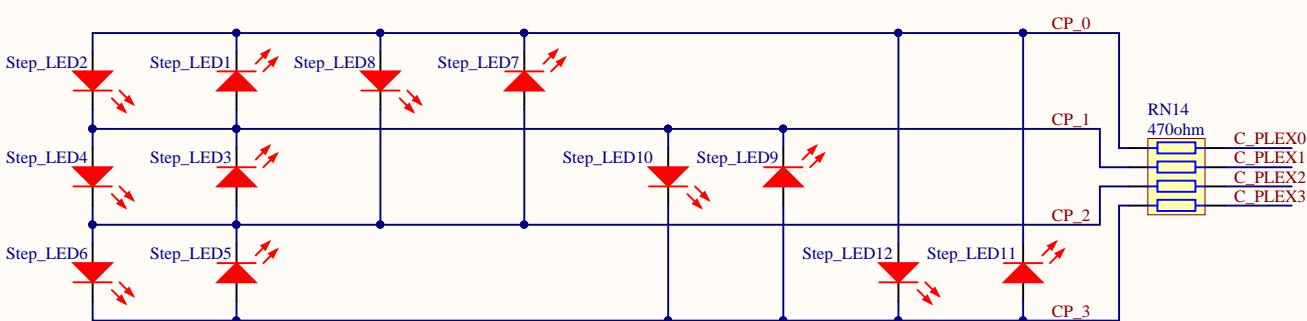
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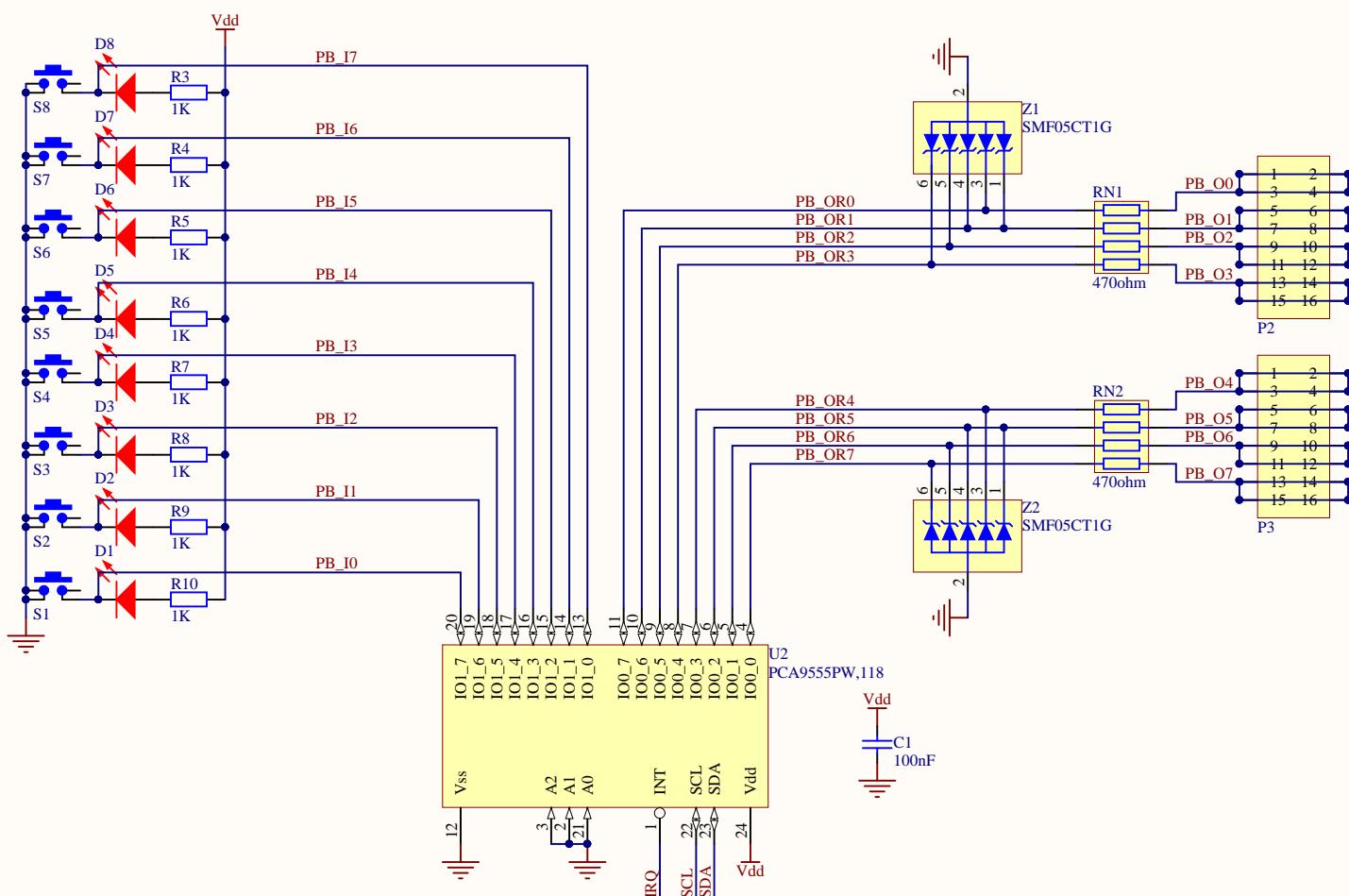


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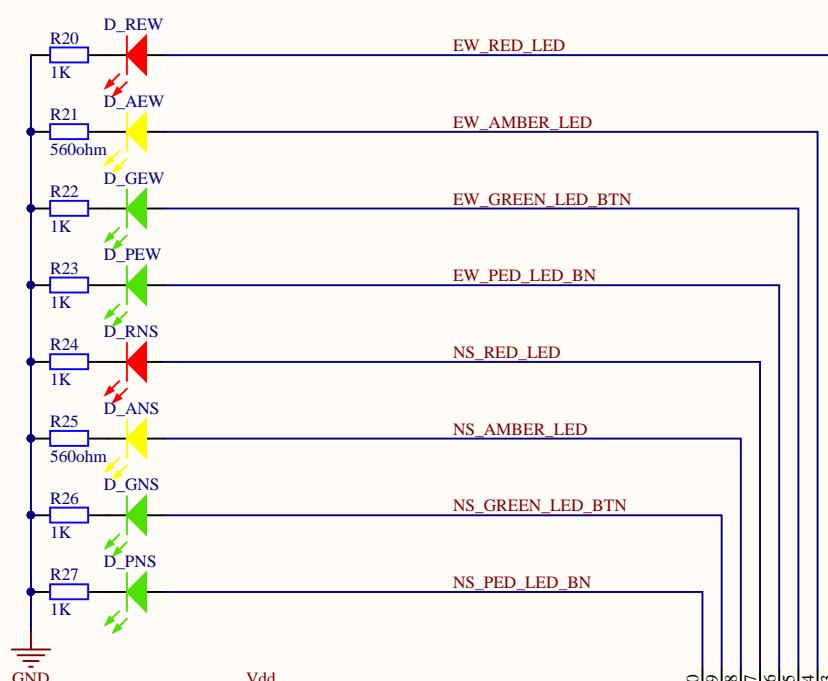
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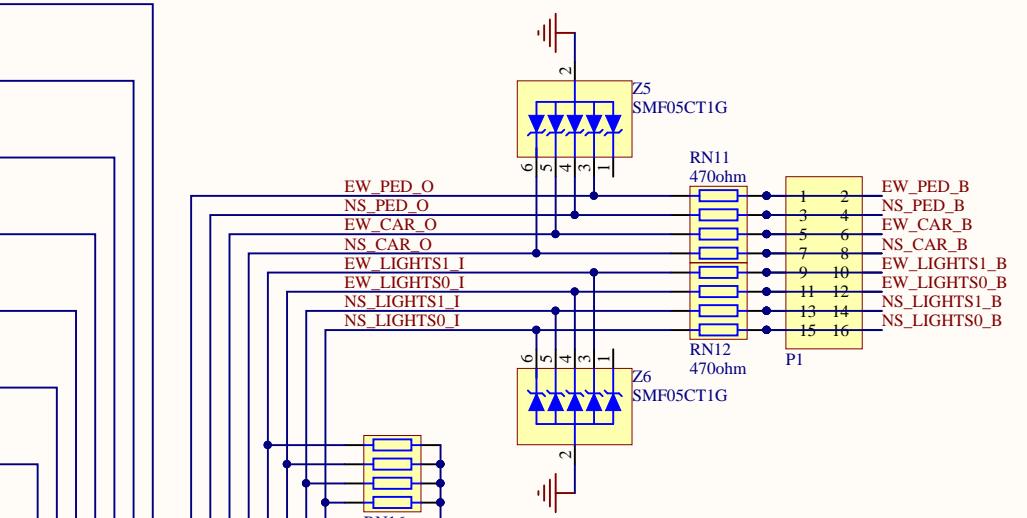
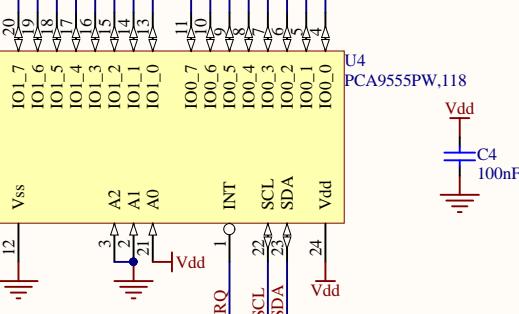
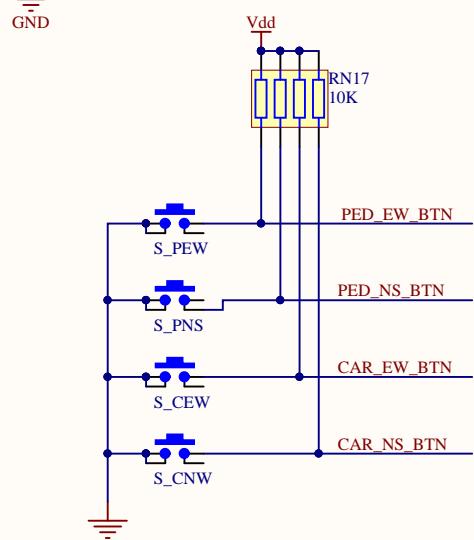
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Size	Number	Revision
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Date:	17/11/2019	Sheet of
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Title: DigitalLabBoard_Traffic.SchDoc

Size	Number	Revision
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Date:	17/11/2019	Sheet of
File:	C:\Users...\DigitalLabBoard_Traffic.SchDoc	Drawn By:

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SDA

SCL

V_{CC}

GND

Clock

RN4

Z1

Z2

U3

C6

Z3

Z4

Z5

Z6

Z7

Z8

Z9

Z10

Z11

Z12

Z13

Z14

Z15

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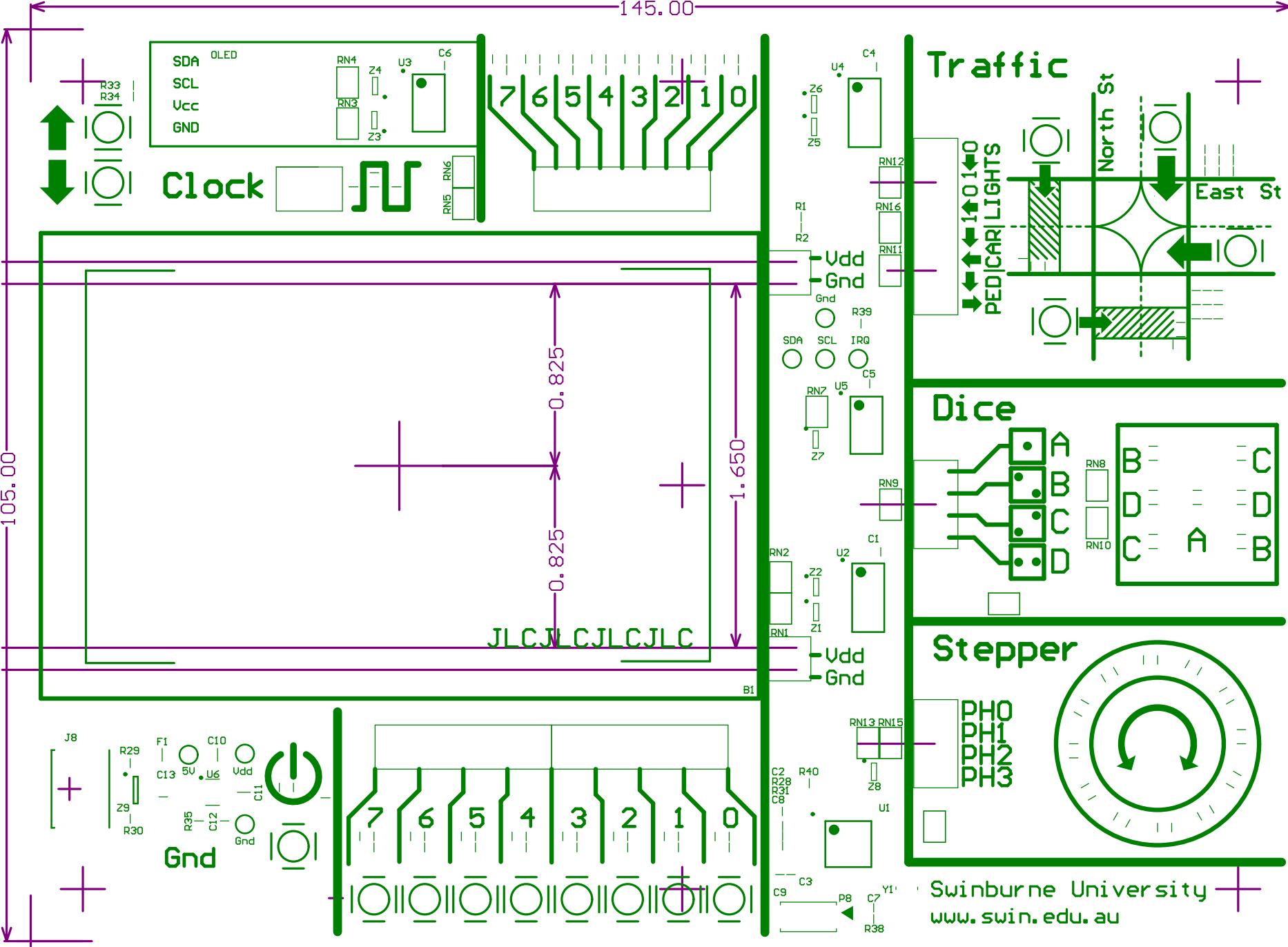
DIGITAL ELECTRONICS DESIGN
SWINBURNE UNIVERSITY
OF TECHNOLOGY

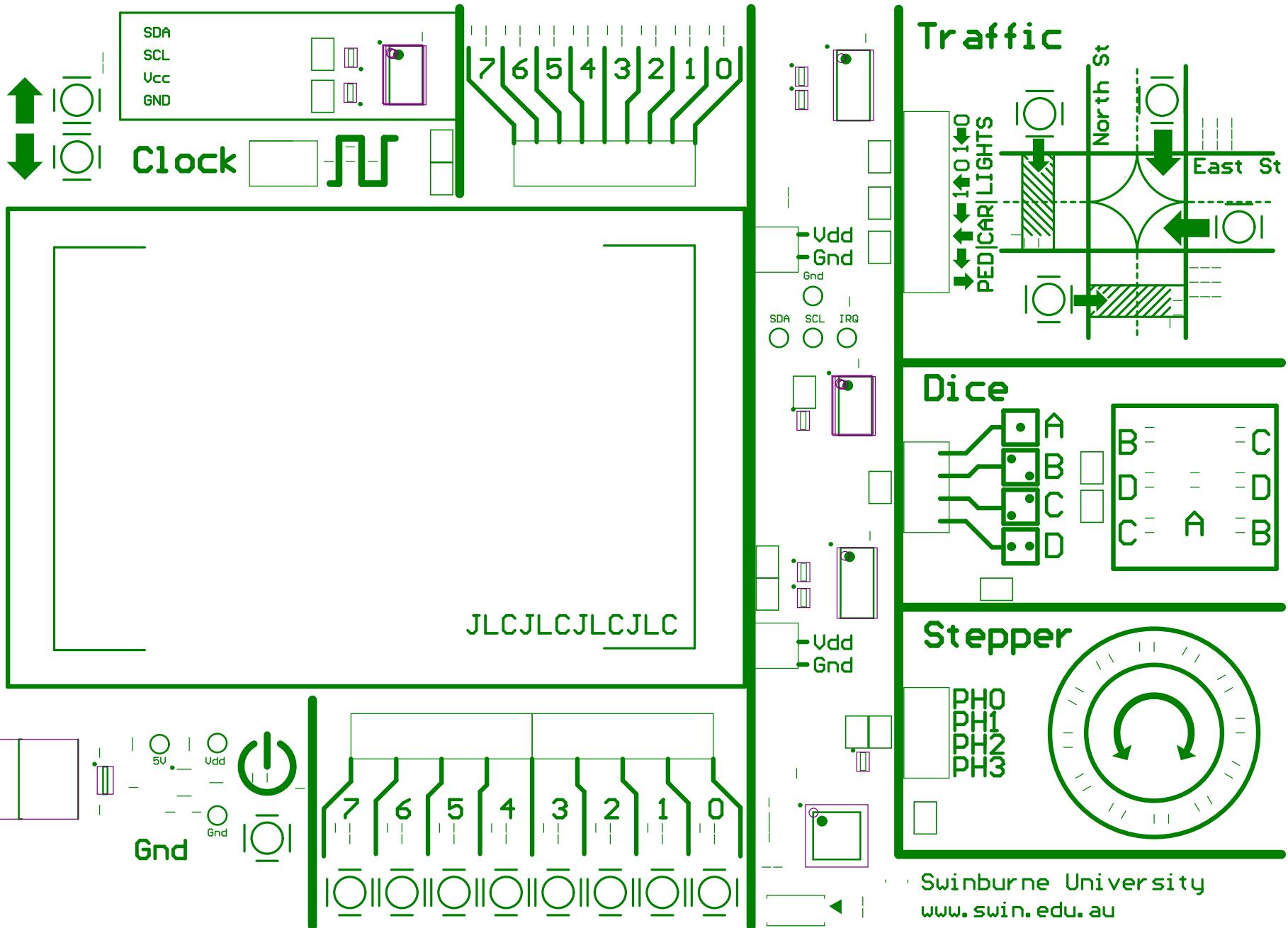


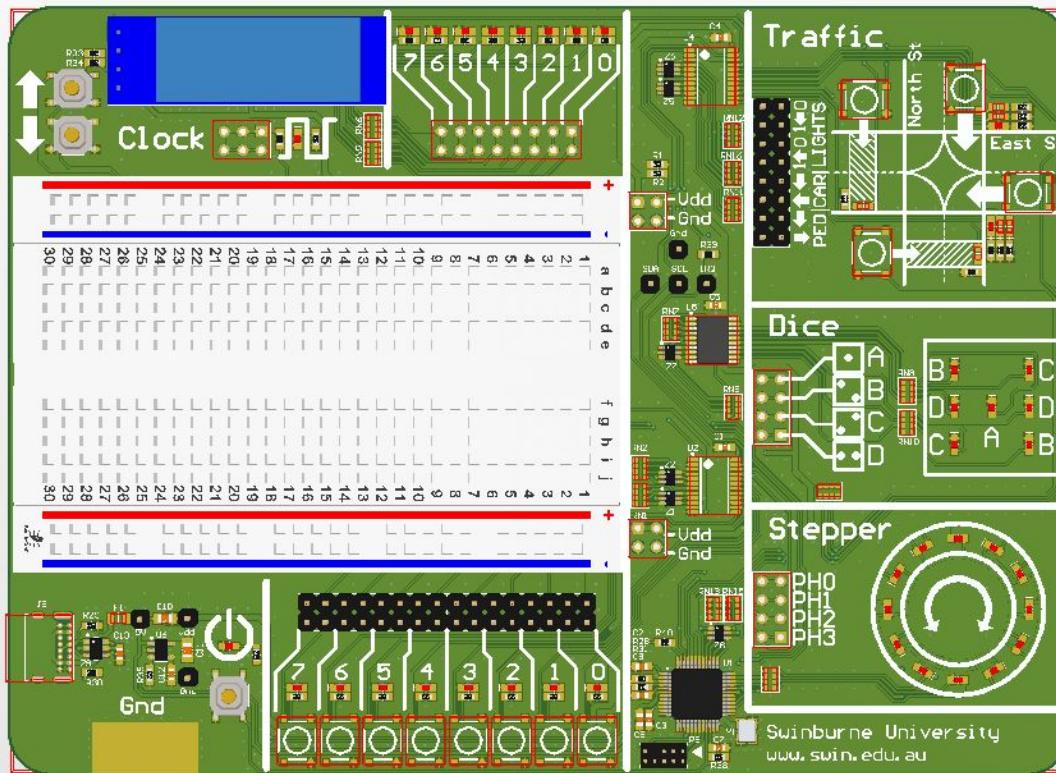
Based on a design by
Jordan Boekel, Ben Gregg,
Patrick Curtain

Ver = 1.0

If found please call [REDACTED]







Bill of Materials

Bill of Materials for Project [D]

Source Data From:

DigitalLabBoard.PrjPCB

Project:

DigitalLabBoard.PrjPCB

Variant:

None

Creation Date:	17/11/2019	10:30 PM
Print Date:	17-Nov-19	10:30:19 PM

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
TSQFP50P900X900-48M	MK20DX128VLF5	2133571	MK20DX128VLF50-ND	
Bumper_RBS-2	Plastic Bumper		RPC4821-ND	
OLED_Display_128x32	OLED_Display			