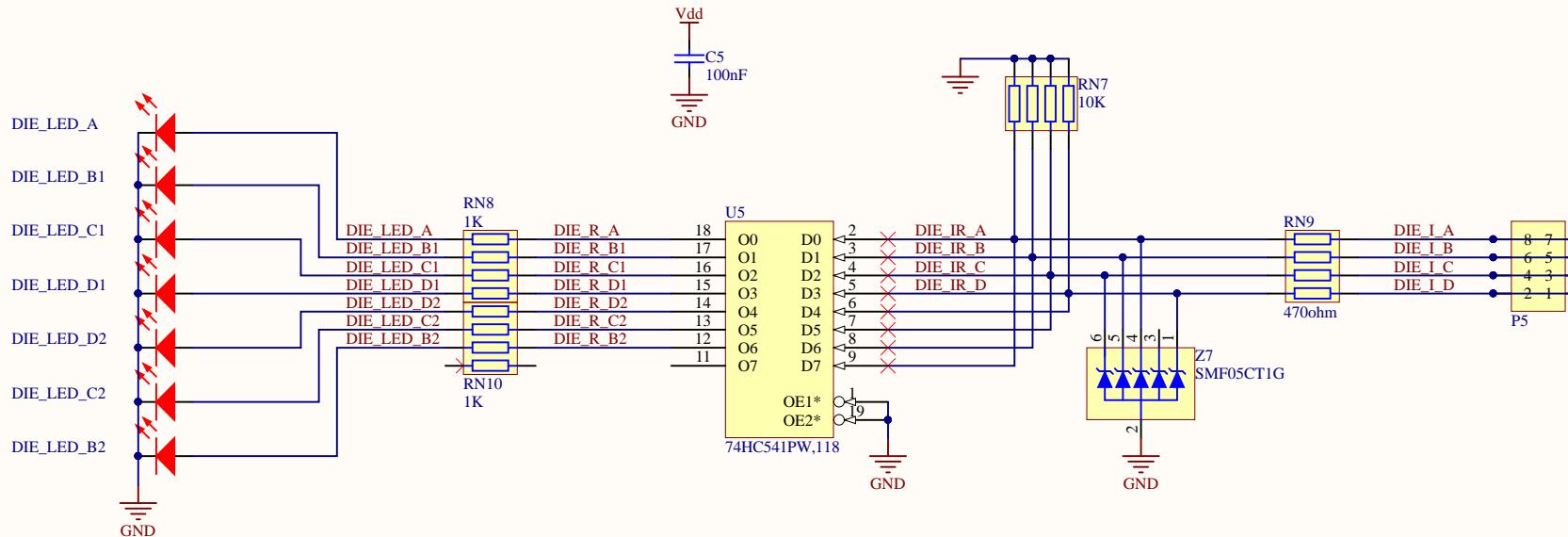


A

A



B

B

C

C

D

D

Title
DigitalLabBoard_Die.SchDoc

Size	Number	Revision
A4		1.0
Date:	18/11/2019	Sheet of
File:	C:\Users\...\DigitalLabBoard_Die.SchDoc	Drawn By:

A

A

B

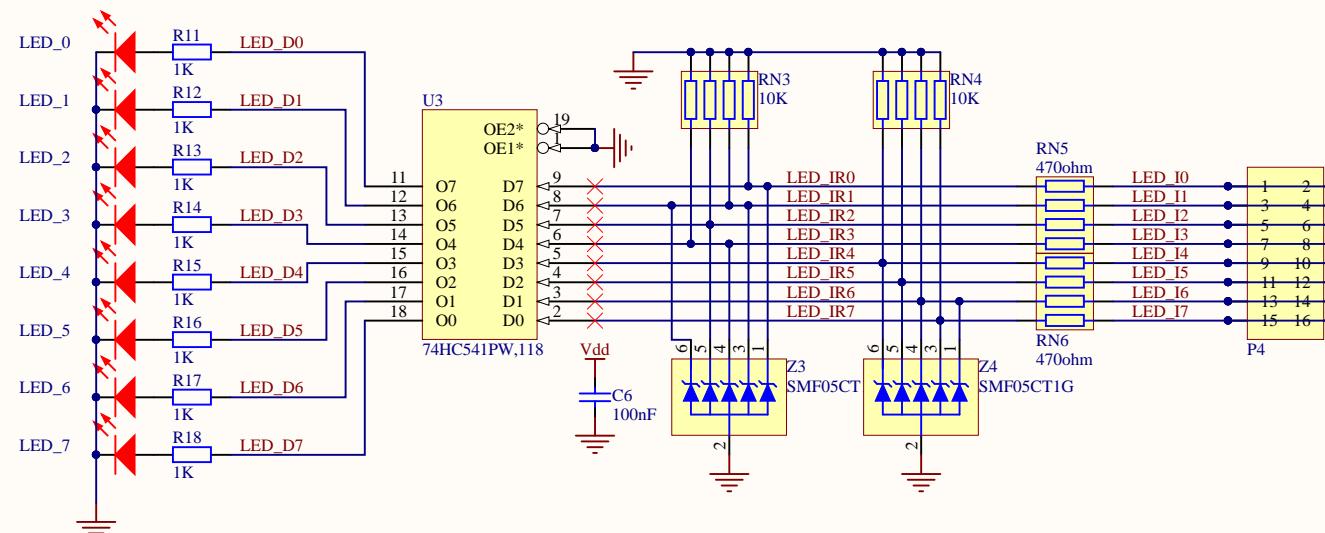
B

C

C

D

D



Title: DigitalLabBoard_LEDs.SchDoc

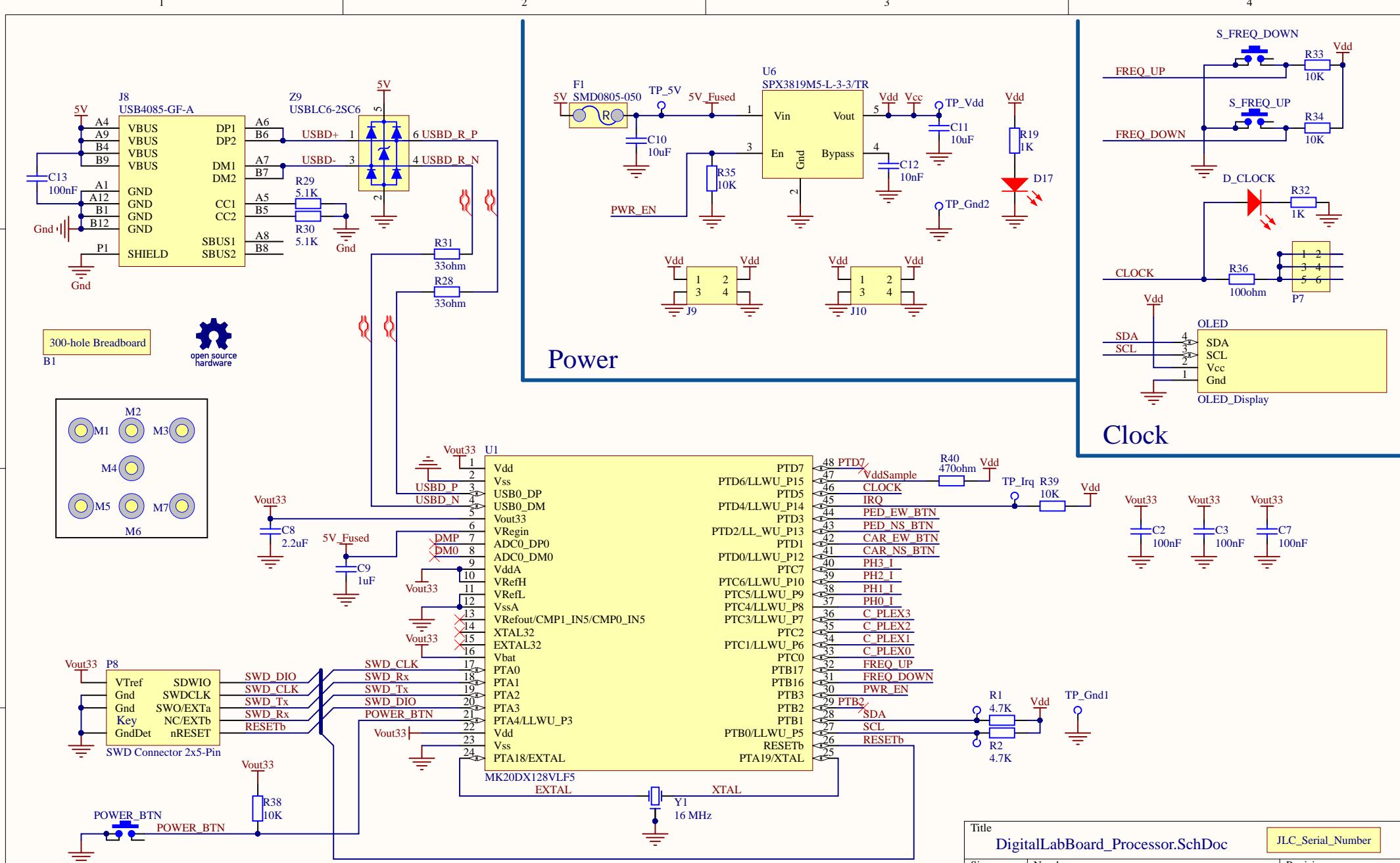
Size	Number	Revision
A4		1.0
Date:	18/11/2019	Sheet of
File:	C:\Users...\DigitalLabBoard_LEDs.SchDoc	Drawn By:

1

2

3

4



Title

DigitalLabBoard_Processor.SchDoc

JLC_Serial_Number

Size

Number

Revision

A4

1.0

Date:

18/11/2019

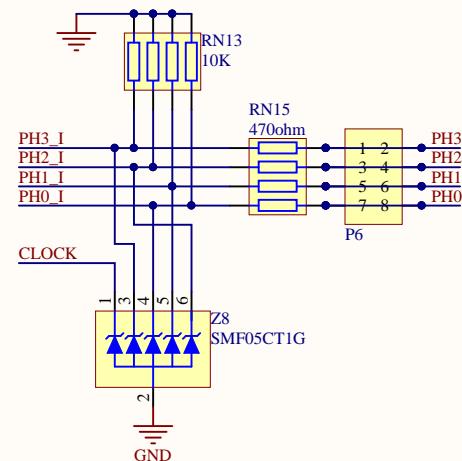
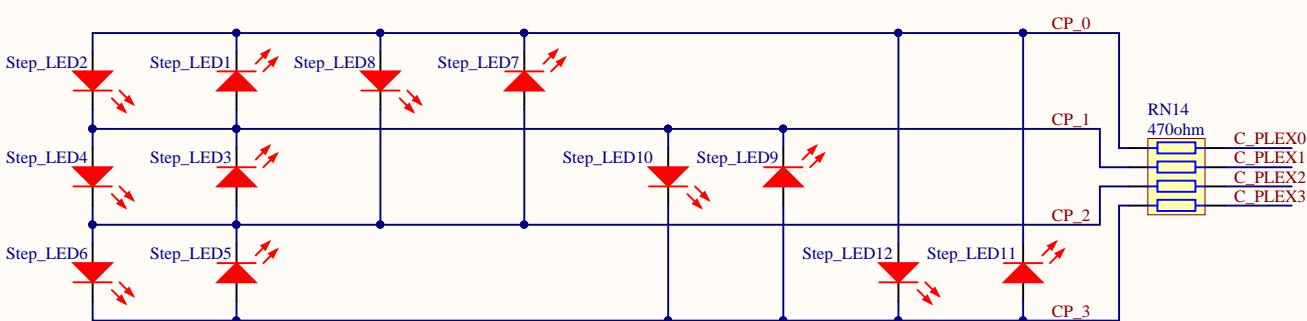
Sheet

File:

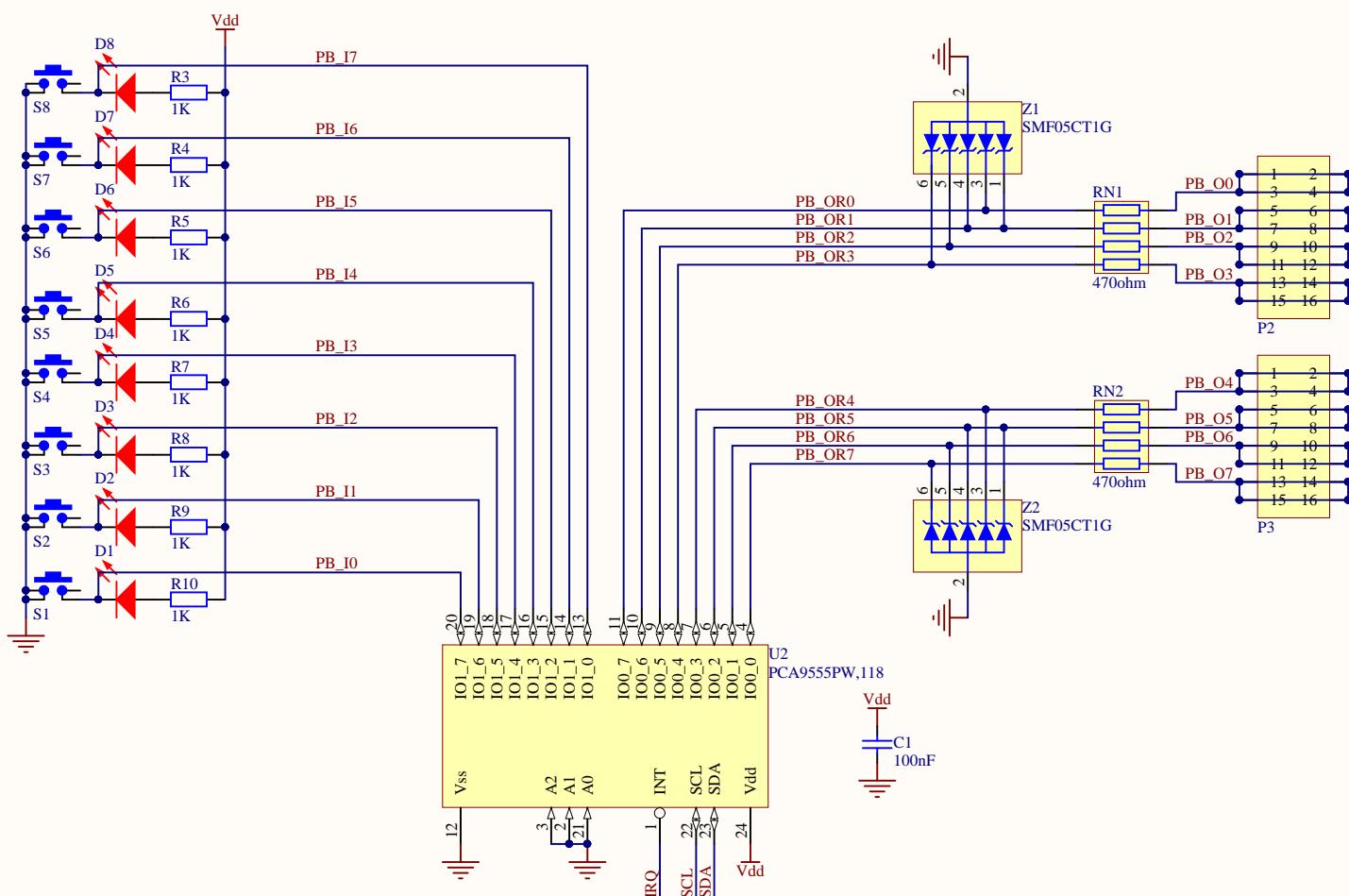
C:\Users...\DigitalLabBoard_Processor.SchDoc

Drawn By:

A



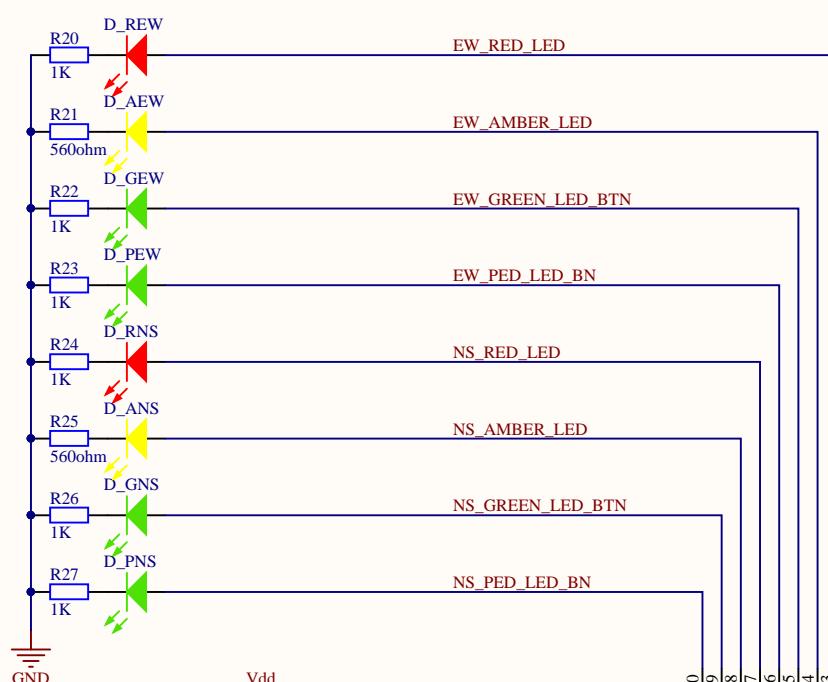
Title DigitalLabBoard_Stepper.SchDoc		
Size A4	Number	Revision 1.0
Date: 18/11/2019	Sheet	of
File: C:\Users...\DigitalLabBoard_Stepper.SchDoc		Drawn By:



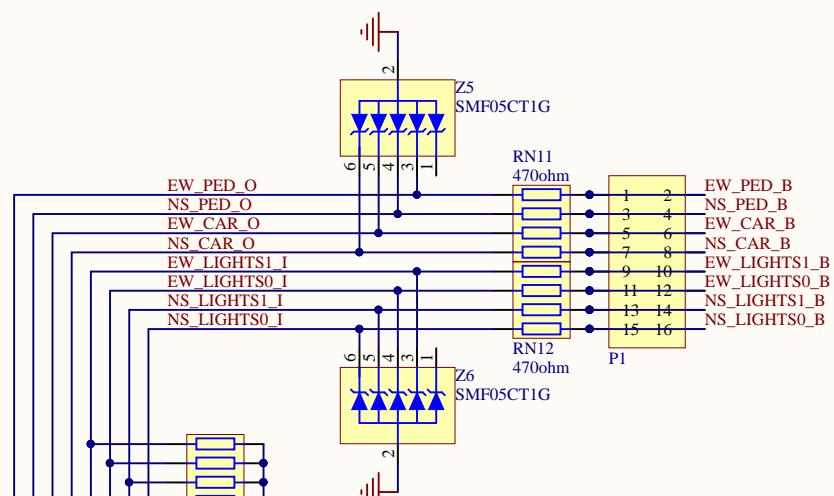
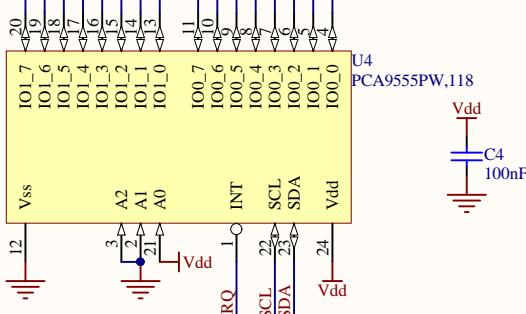
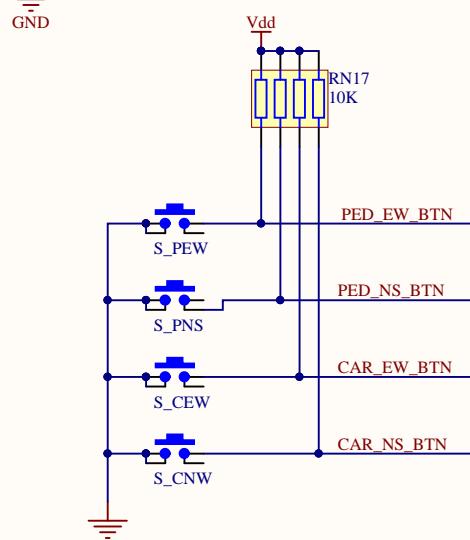
Title: DigitalLabBoard_Switches.SchDoc

Size	Number	Revision
A4		1.0
Date:	18/11/2019	Sheet of
File:	C:\Users...\DigitalLabBoard_Switches.SchDoc	Drawn By:

A



B



Title: DigitalLabBoard_Traffic.SchDoc

Size	Number	Revision
A4		1.0
Date:	18/11/2019	Sheet of
File:	C:\Users...\DigitalLabBoard_Traffic.SchDoc	Drawn By:

145.00

SDA

SCL

V_{CC}

GND

Clock

RN4

Z1

Z2

U3

C6

Z3

Z4

Z5

Z6

Z7

Z8

Z9

Z10

Z11

Z12

Z13

Z14

Z15

Z16

Z17

Z18

Z19

Z20

Z21

Z22

Z23

Z24

Z25

Z26

Z27

Z28

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

DIGITAL ELECTRONICS DESIGN
SWINBURNE UNIVERSITY
OF TECHNOLOGY

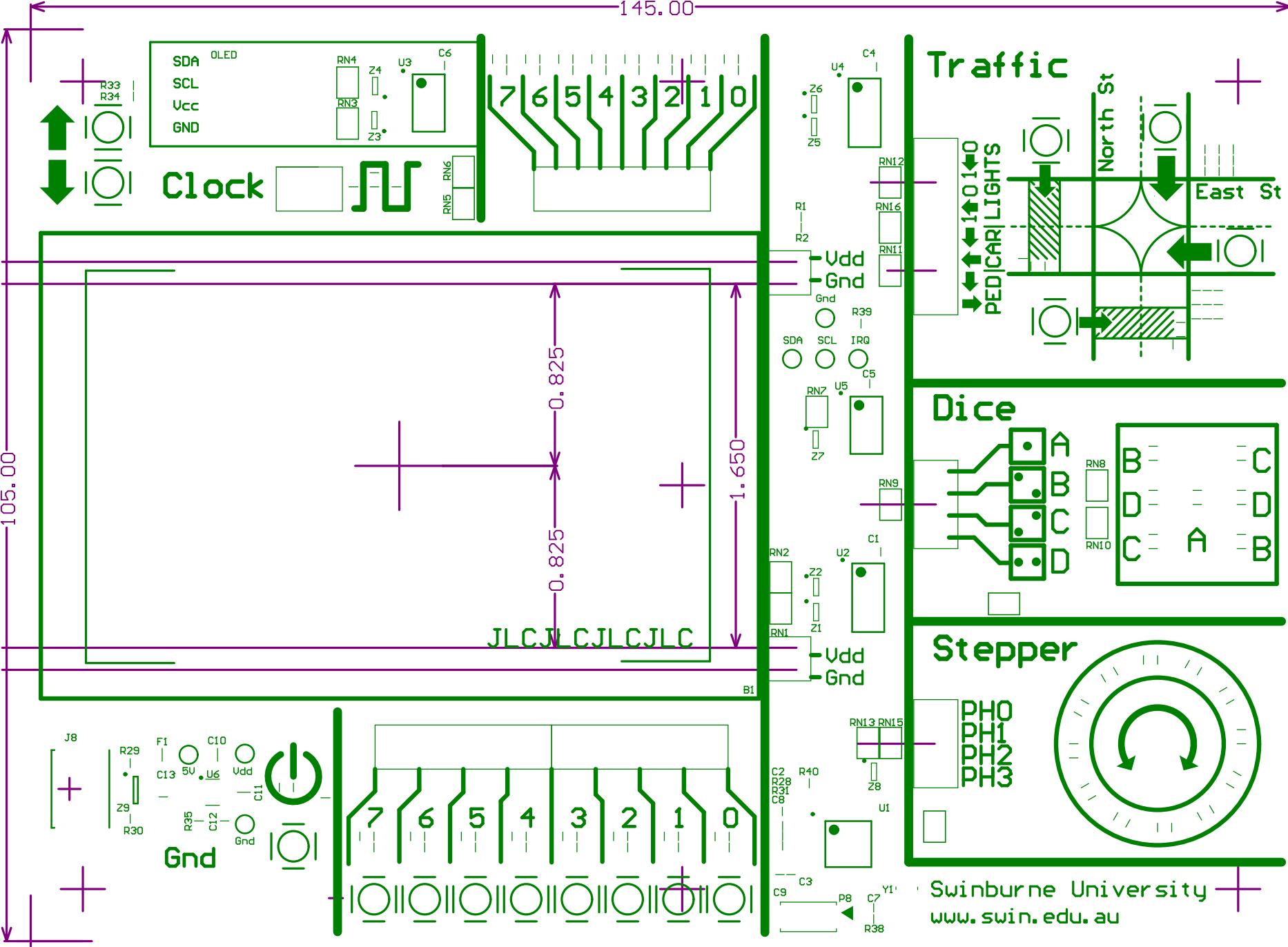


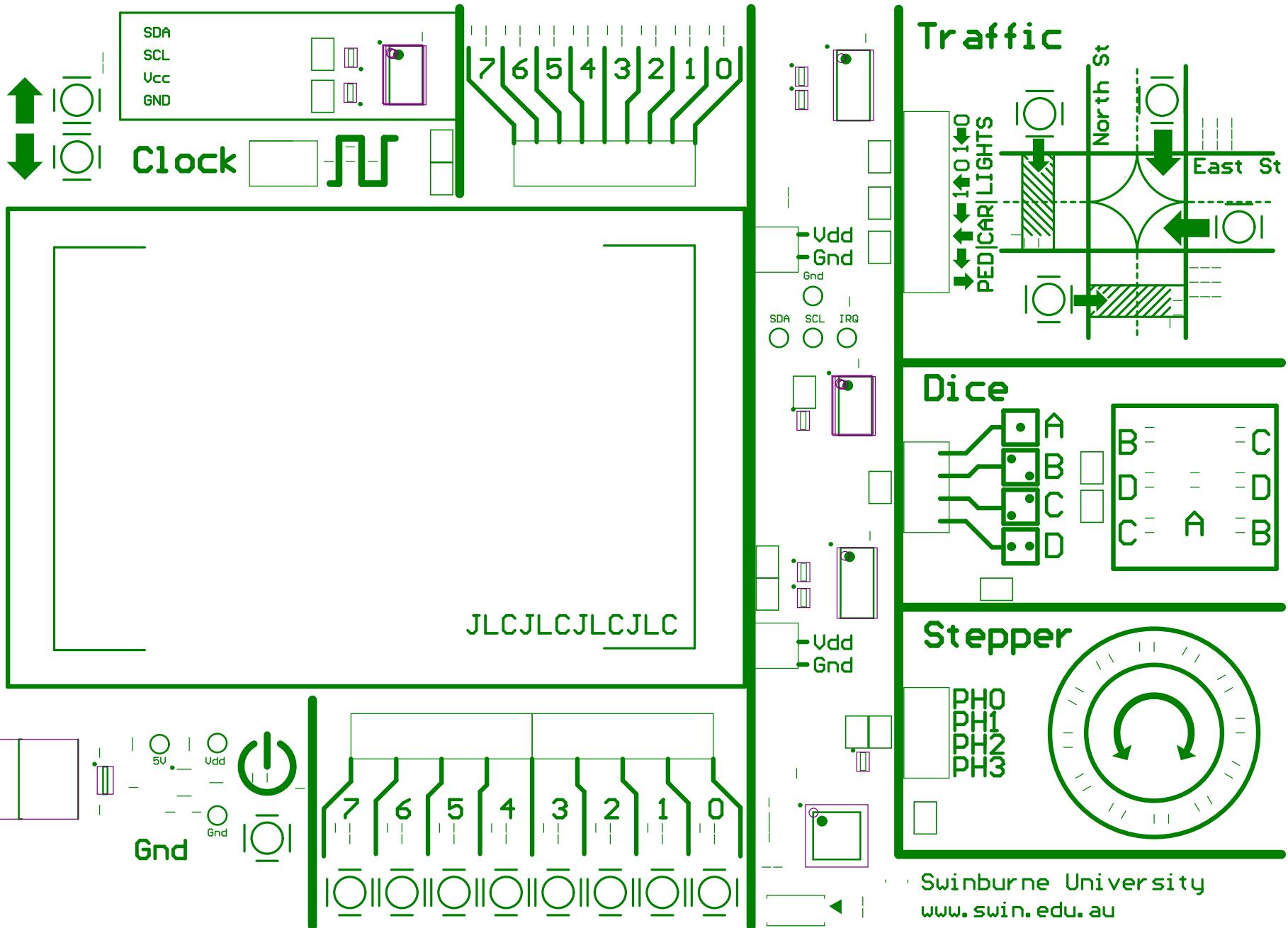
Based on a design by
Jordan Boekel, Ben Gregg,
Patrick Curtain

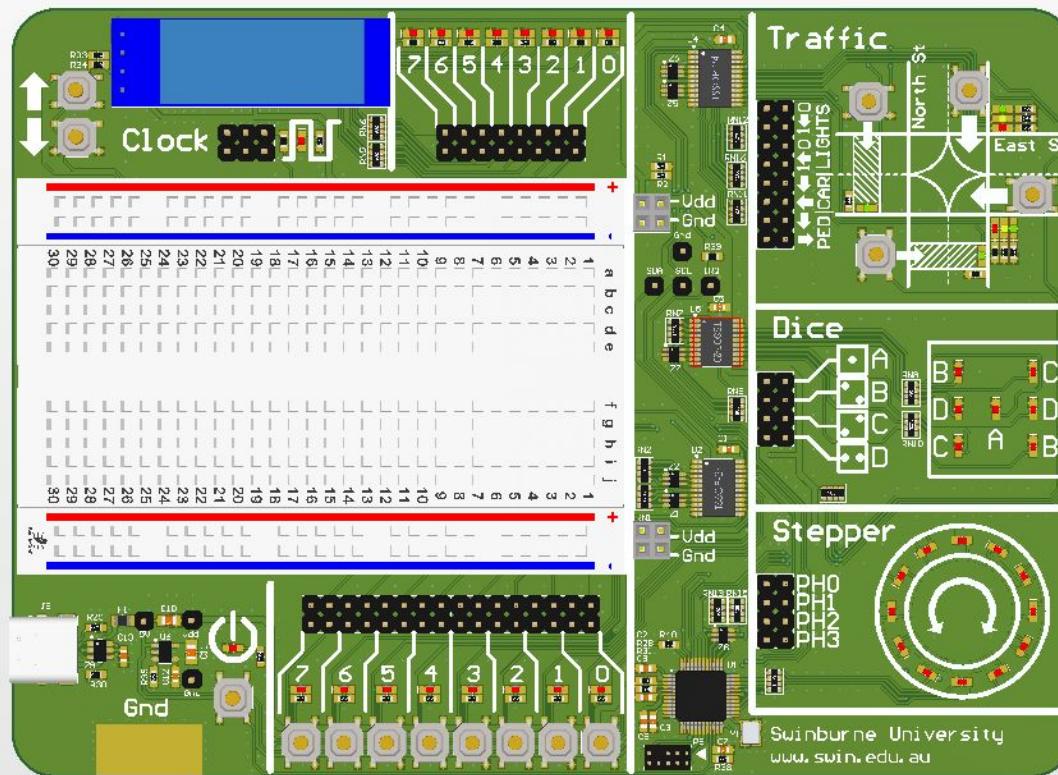


Ver = 1.0

If found please call (+613) 9214.8319







Bill of Materials

Bill of Materials for Project [D]

Source Data From:

DigitalLabBoard.PrjPCB

Project:

DigitalLabBoard.PrjPCB

Variant:

None

Creation Date:

18/11/2019

10:18 PM

Print Date:

18-Nov-19

10:18:47 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			