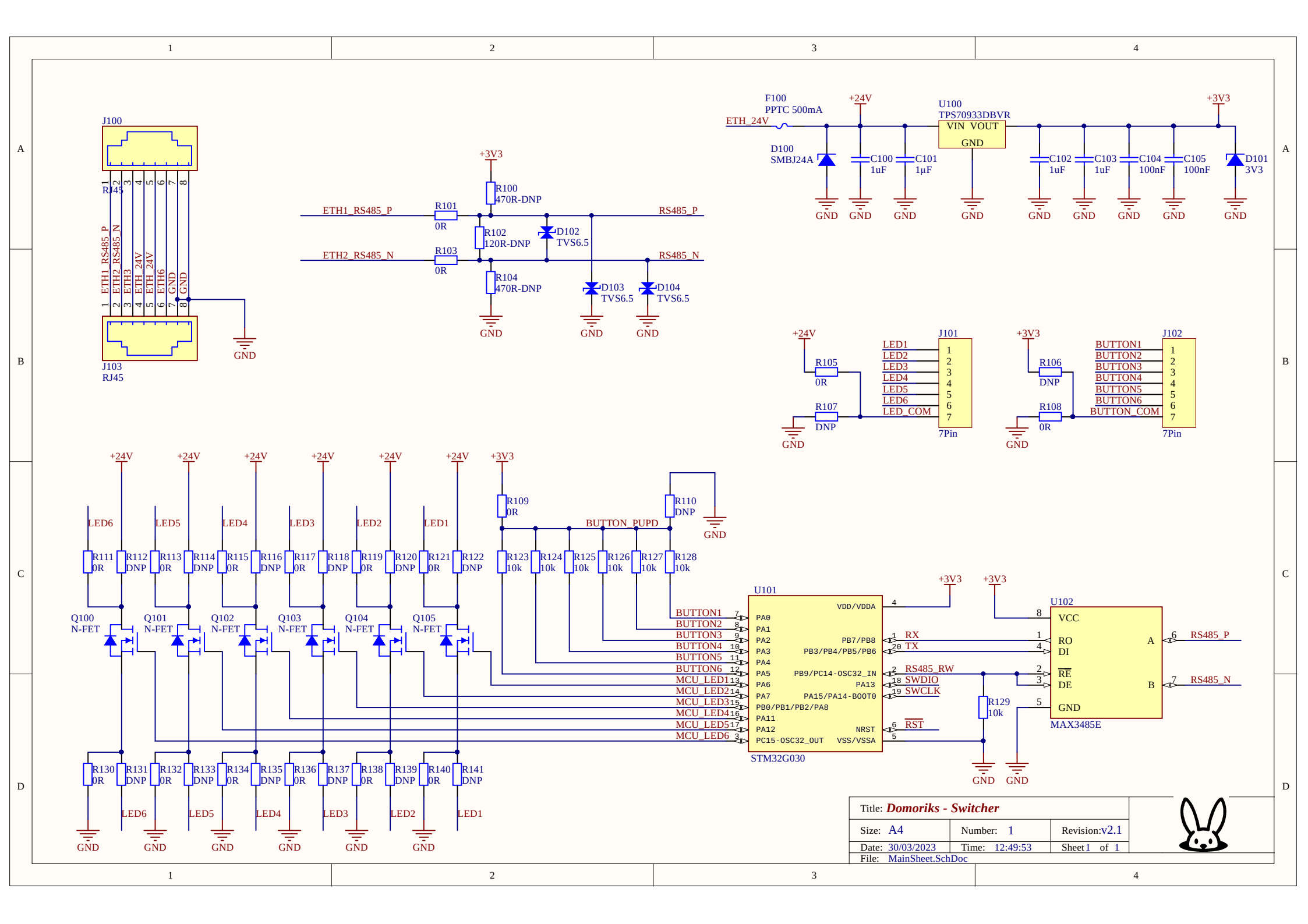
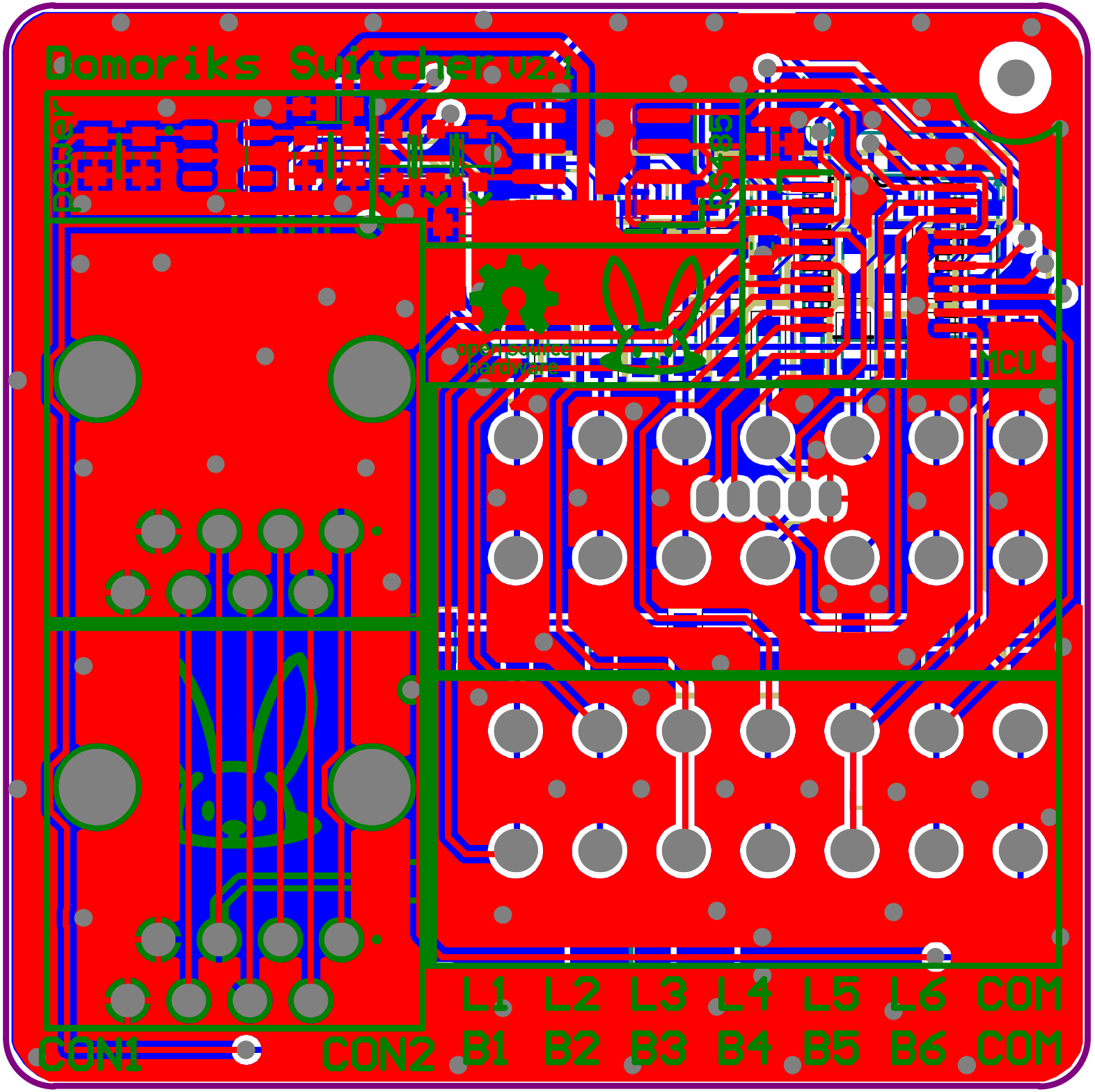

J100
RJ45
ETH1_RS485_P
ETH2_RS485_N
ETH3
ETH_24V
ETH_24V
ETH6
GND
GND
J103
RJ45
GND
+3V3
R100
470R-DNP
ETH1_RS485_P
R101
0R
RS485_P
R102
120R-DNP
D102
TVS6.5
ETH2_RS485_N
R103
0R
RS485_N
R104
470R-DNP
D103
TVS6.5
D104
TVS6.5
GND
GND
GND
F100
PPTC 500mA
+24V
ETH_24V
U100
TPS70933DBVR
VIN VOUT
GND
+3V3
D100
SMBJ24A
C100
1uF
C101
1µF
C102
1uF
C103
1uF
C104
100nF
C105
100nF
D101
3V3
GND
GND
GND
GND
GND
GND
GND
GND
GND
+24V
R105
0R
R107
DNP
GND
LED1
LED2
LED3
LED4
LED5
LED6
LED_COM
J101
7Pin
+3V3
R106
DNP
R108
0R
GND
BUTTON1
BUTTON2
BUTTON3
BUTTON4
BUTTON5
BUTTON6
BUTTON_COM
J102
7Pin
+24V
+24V
+24V
+24V
+24V
+24V
+3V3
LED6
LED5
LED4
LED3
LED2
LED1
R109
0R
BUTTON_PUPD
R110
DNP
GND
R111 0R
R112 DNP
R113 0R
R114 DNP
R115 0R
R116 DNP
R117 0R
R118 DNP
R119 0R
R120 DNP
R121 0R
R122 DNP
R123 10k
R124 10k
R125 10k
R126 10k
R127 10k
R128 10k
Q100 N-FET
Q101 N-FET
Q102 N-FET
Q103 N-FET
Q104 N-FET
Q105 N-FET
BUTTON1
BUTTON2
BUTTON3
BUTTON4
BUTTON5
BUTTON6
MCU_LED1
MCU_LED2
MCU_LED3
MCU_LED4
MCU_LED5
MCU_LED6
U101
VDD/VDDA
PA0
PA1
PA2
PB7/PB8
PA3
PB3/PB4/PB5/PB6
PA4
PA5
PB9/PC14-OSC32_IN
PA6
PA13
PA7
PA15/PA14-BOOT0
PB0/PB1/PB2/PA8
PA11
PA12
NRST
PC15-OSC32_OUT
VSS/VSSA
STM32G030
+3V3
+3V3
U102
VCC
RO
DI
RE
DE
GND
A
B
MAX3485E
RX
TX
RS485_RW
SWDIO
SWCLK
RST
RS485_P
RS485_N
R129
10k
GND
GND
R130 0R
R131 DNP
R132 0R
R133 DNP
R134 0R
R135 DNP
R136 0R
R137 DNP
R138 0R
R139 DNP
R140 0R
R141 DNP
LED6
LED5
LED4
LED3
LED2
LED1
GND
GND
GND
GND
GND
GND
Title: Domoriks - Switcher
Size: A4
Number: 1
Revision:v2.1
Date: 30/03/2023
Time: 12:49:53
Sheet 1 of 1
File: MainSheet.SchDoc


Domoriks Switcher v2.1
open source hardware
MCU
L1 L2 L3 L4 L5 L6 COM
B1 B2 B3 B4 B5 B6 COM
CON1
CON2

Design Rules Verification Report

Filename : C:\Users\Jorik Wittevrongel\LocalProjects\960-Domoriks\Domoriks\PCB-Design\Domoriks_Switch\CircuitStudio\PCB.CSPcbDoc

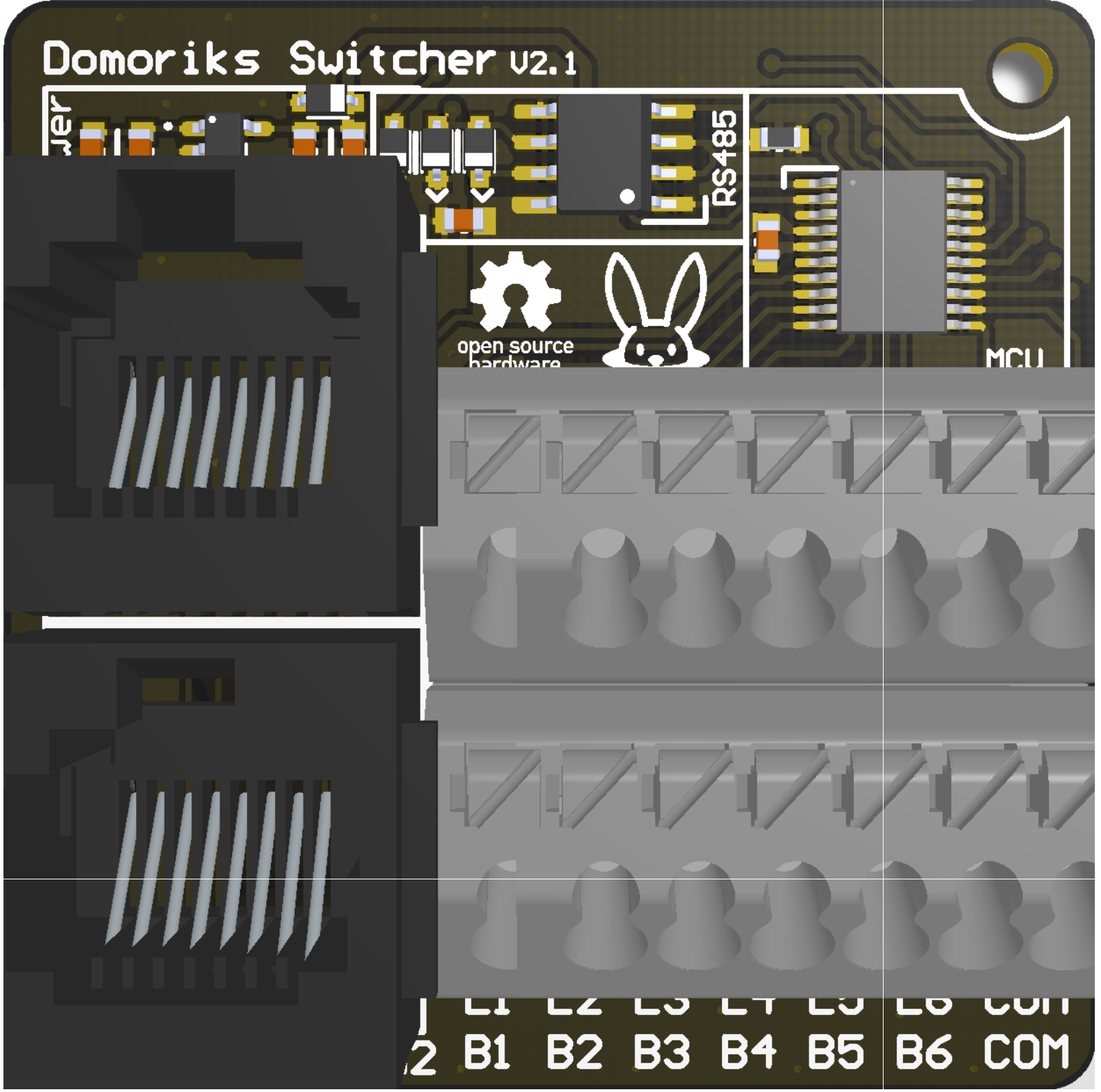
Warnings 0
Rule Violations 0

Warnings	
Total	0

Rule Violations	
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Un-Routed Net Constraint ((All))	0
Clearance Constraint (Gap=0.25mm) (All),(All)	0
Power Plane Connect Rule(Relief Connect)(Expansion=0.508mm) (Conductor Width=0.254mm) (Air Gap=0.254mm)	0
Width Constraint (Min=0.15mm) (Max=1mm) (Preferred=0.25mm) (All)	0
Height Constraint (Min=0mm) (Max=25.4mm) (Prefered=12.7mm) (All)	0
Hole Size Constraint (Min=0.025mm) (Max=4mm) (All)	0
Hole To Hole Clearance (Gap=0.254mm) (All),(All)	0
Minimum Solder Mask Sliver (Gap=0.05mm) (All),(All)	0
Silk To Solder Mask (Clearance=0.005mm) (IsPad),(All)	0
Silk to Silk (Clearance=0.254mm) (Disabled)(All),(All)	0
Silk primitive without silk layer	0
Unpoured Polygon (Allow unpoured: False)	0
Total	0

Electrical Rules Check Report

Class	Document	Message
		Successful Compile for Domoriks_Switch.PrjPcb


Domoriks Switcher V2.1
RS485
open source
MCU
B1 B2 B3 B4 B5 B6 COM