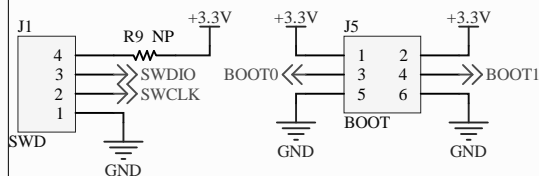
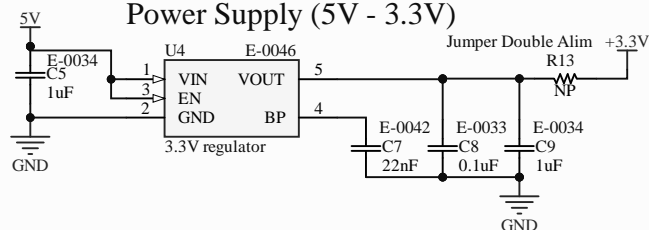


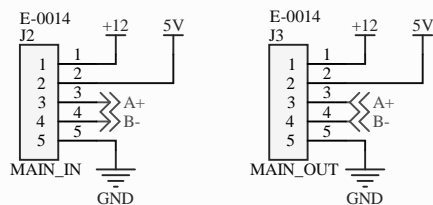
Programming



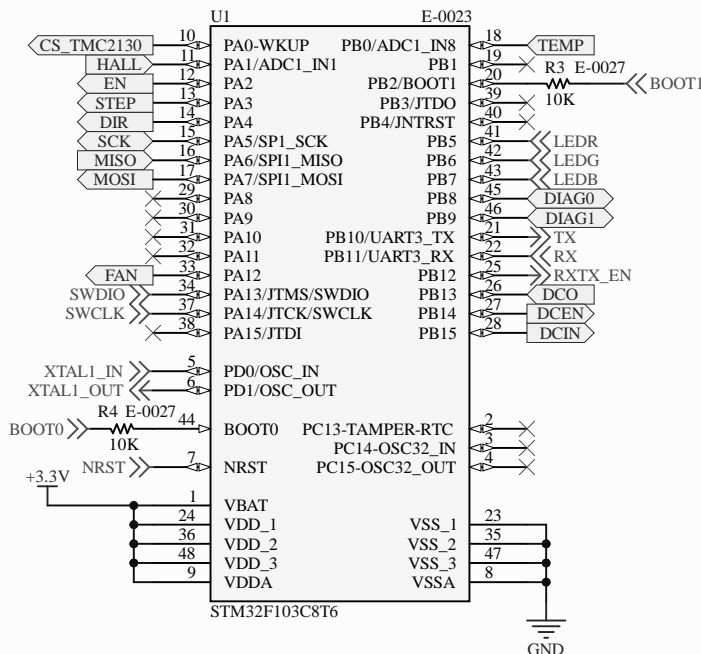
Power Supply (5V - 3.3V)



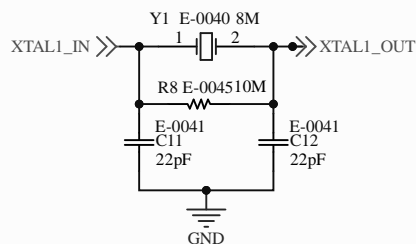
Main Connector



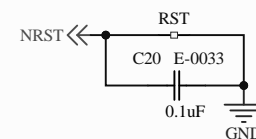
Microcontroller



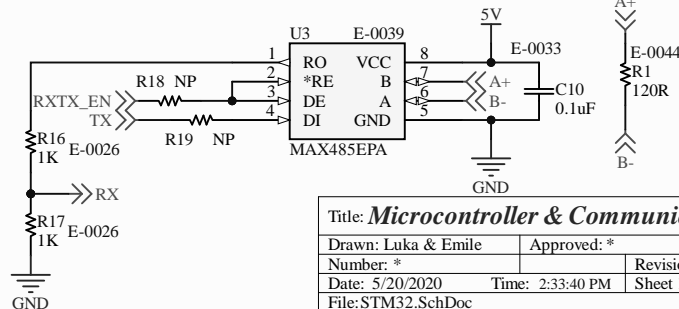
Crystal



RESET



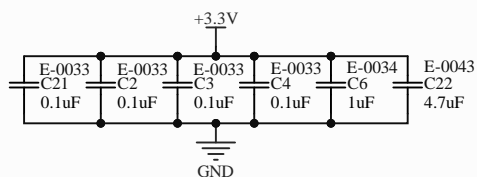
RS-485 Transceiver



LED RGB Debug



Filtration



Title: *Microcontroller & Communication*

Drawn: Luka & Emile

Approved: *

Number: *

Revision: 0.1

Date: 5/20/2020

Time: 2:33:40 PM

Sheet 1 of 2

File: STM32.SchDoc

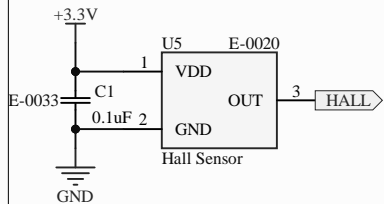
Technologie de l'électronique

www.cegeplimoilou.ca

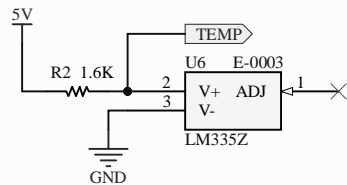


Size: Letter

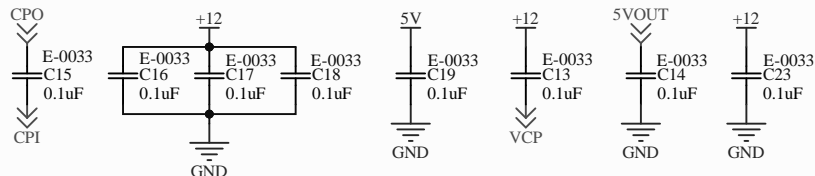
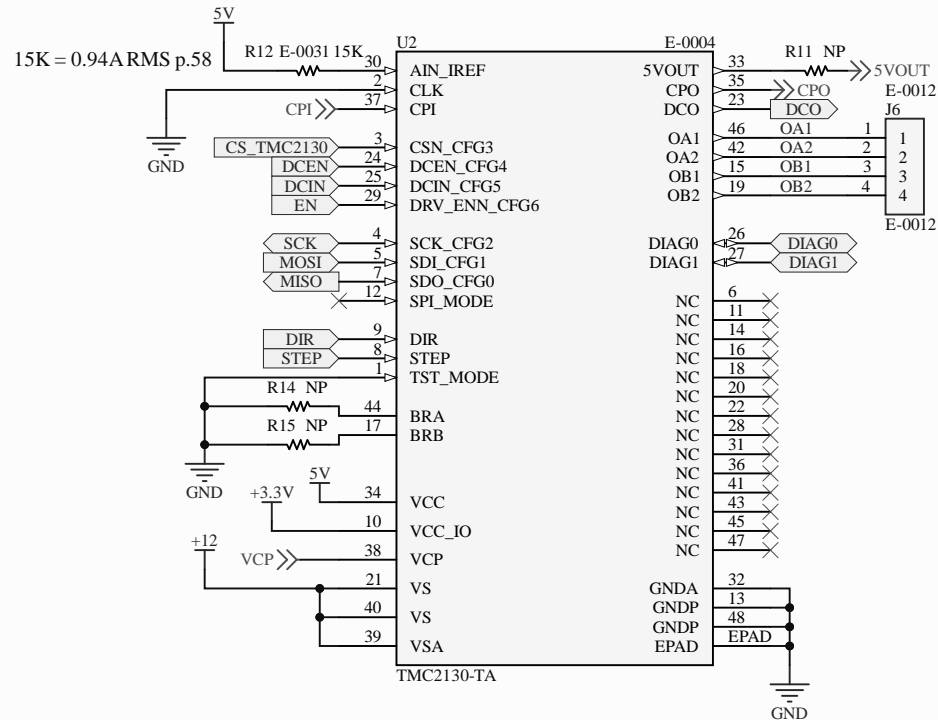
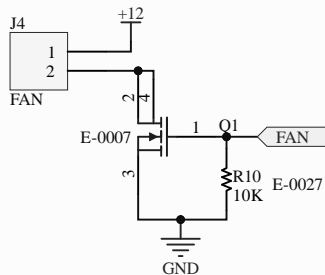
Hall Sensor



Temperature Sensor



Fan Control



Title: *Motor Driver & Sensors*

Drawn: Luka & Emile

Approved: *

Number: *

Revision: 0.1

Date: 5/20/2020

Time: 2:33:40 PM

Sheet 2 of 2

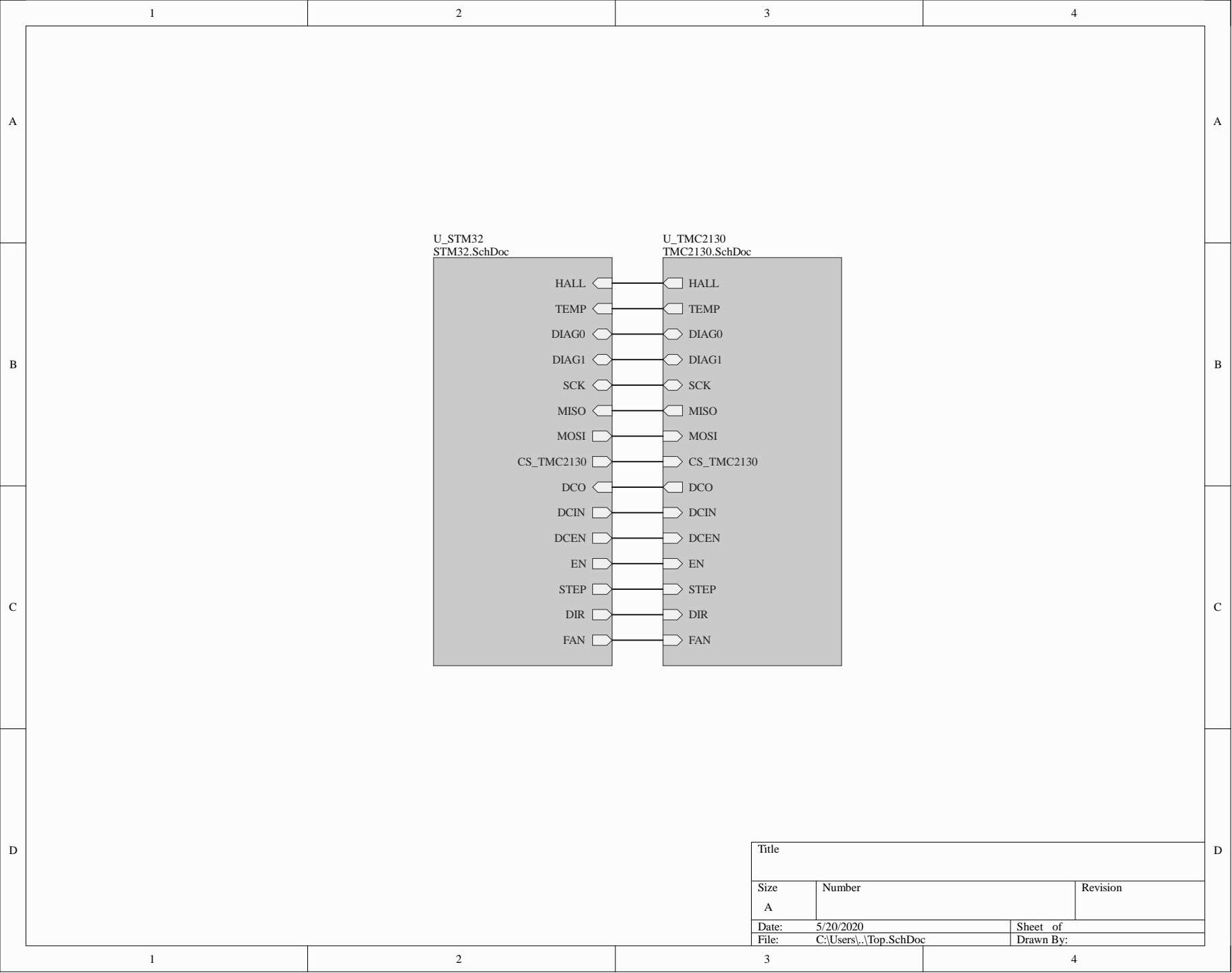
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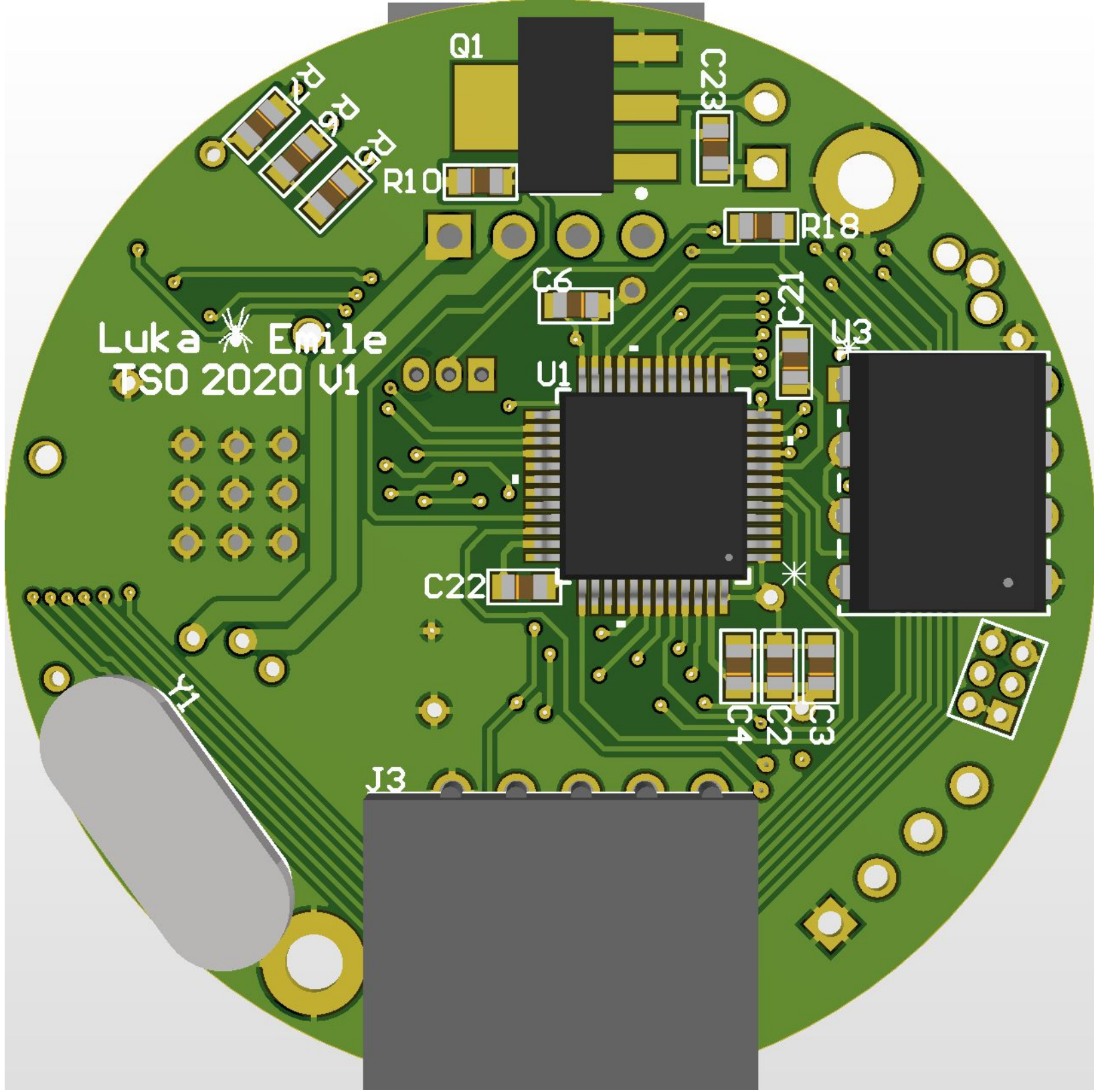
Technologie de l'électronique

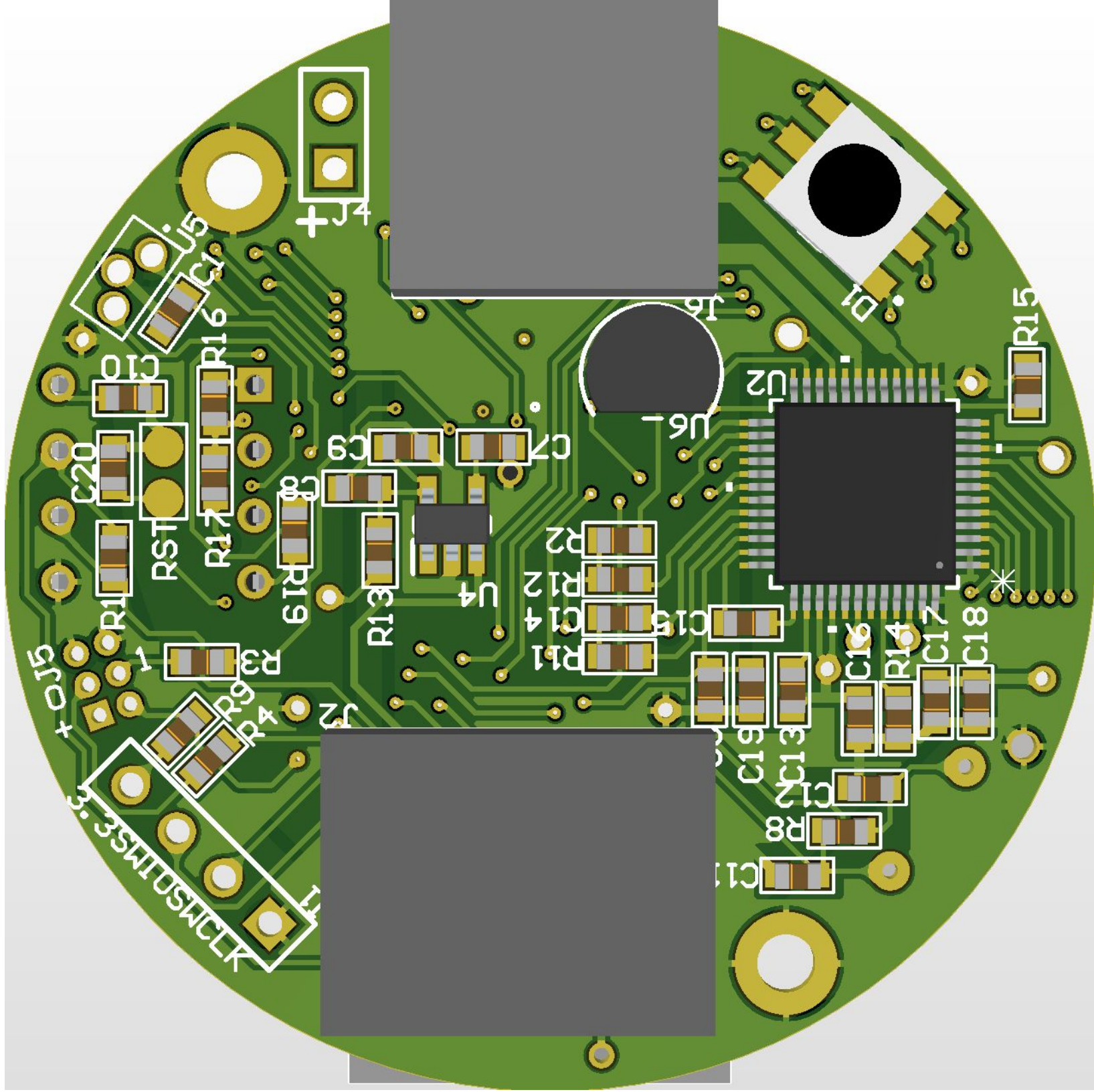
www.cegeplimoilou.ca

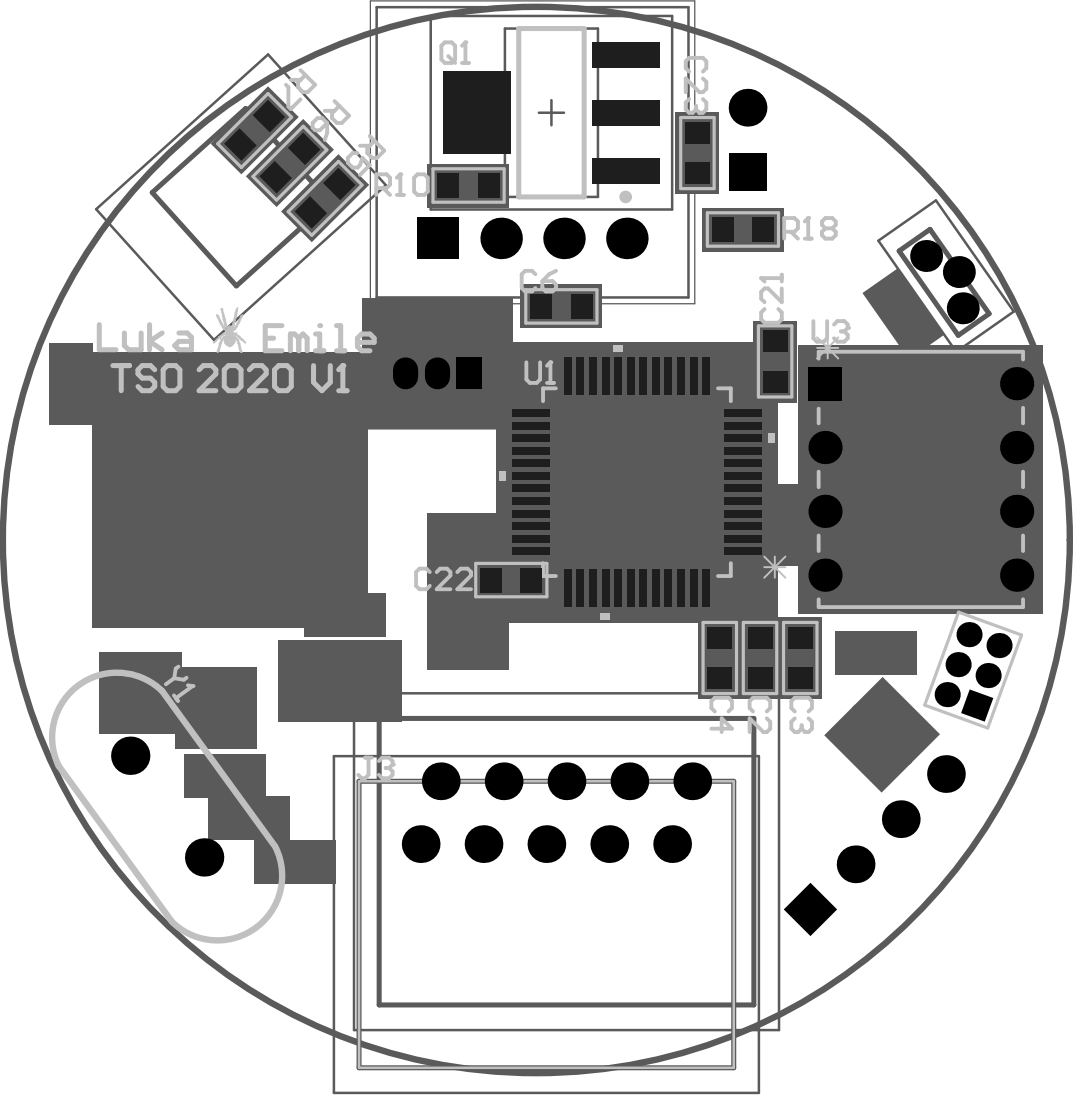


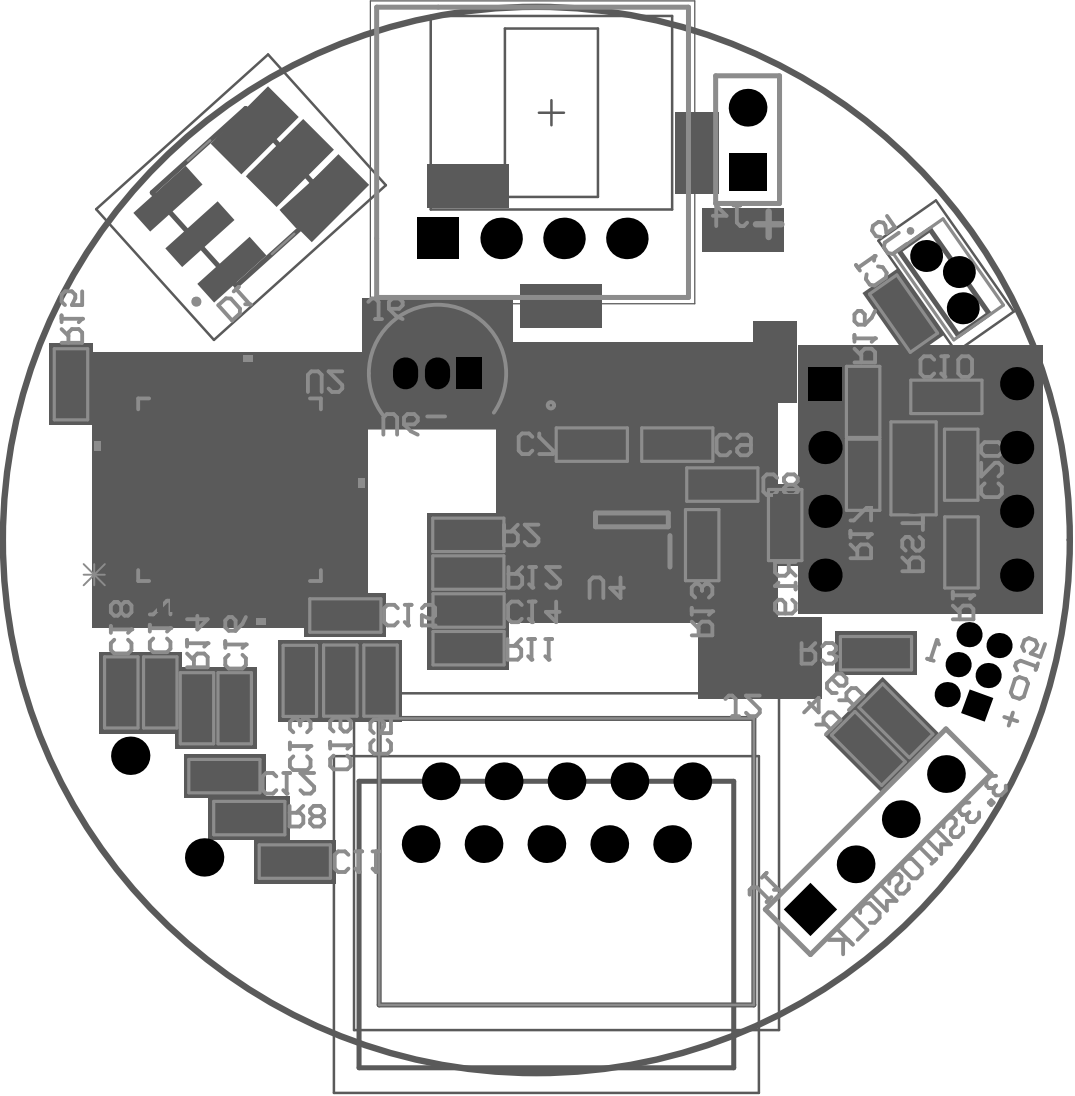
Size: Letter











Design Rules Verification Report

Filename : C:\Users\lukab\Desktop\DEC\6DOF-Robotic-Arm\Electronic\PCB\Motor Driver\Mo

Warnings 0
Rule Violations 0

Warnings	
Total	0

Rule Violations	
Clearance Constraint (Gap=0.2mm) (All),(All)	0
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Un-Routed Net Constraint (All)	0
Modified Polygon (Allow modified: No), (Allow shelved: No)	0
Width Constraint (Min=0.229mm) (Max=0.8mm) (Preferred=0.8mm) (InNet('OA1') or InNet('OA2') or InNet('OB1') or	0
Width Constraint (Min=0.2mm) (Max=0.4mm) (Preferred=0.4mm) (InNet('+12') or InNet('GND') or InNet('5V'))	0
Width Constraint (Min=0.2mm) (Max=0.2mm) (Preferred=0.2mm) (All)	0
Power Plane Connect Rule(Relief Connect)(Expansion=0.508mm) (Conductor Width=0.254mm) (Air Gap=0.254mm)	0
Hole Size Constraint (Min=0.025mm) (Max=2.9mm) (Disabled)(All)	0
Hole To Hole Clearance (Gap=0.254mm) (Disabled)(All),(All)	0
Net Antennae (Tolerance=0mm) (All)	0
Height Constraint (Min=0mm) (Max=25.4mm) (Preferred=12.7mm) (All)	0
Total	0