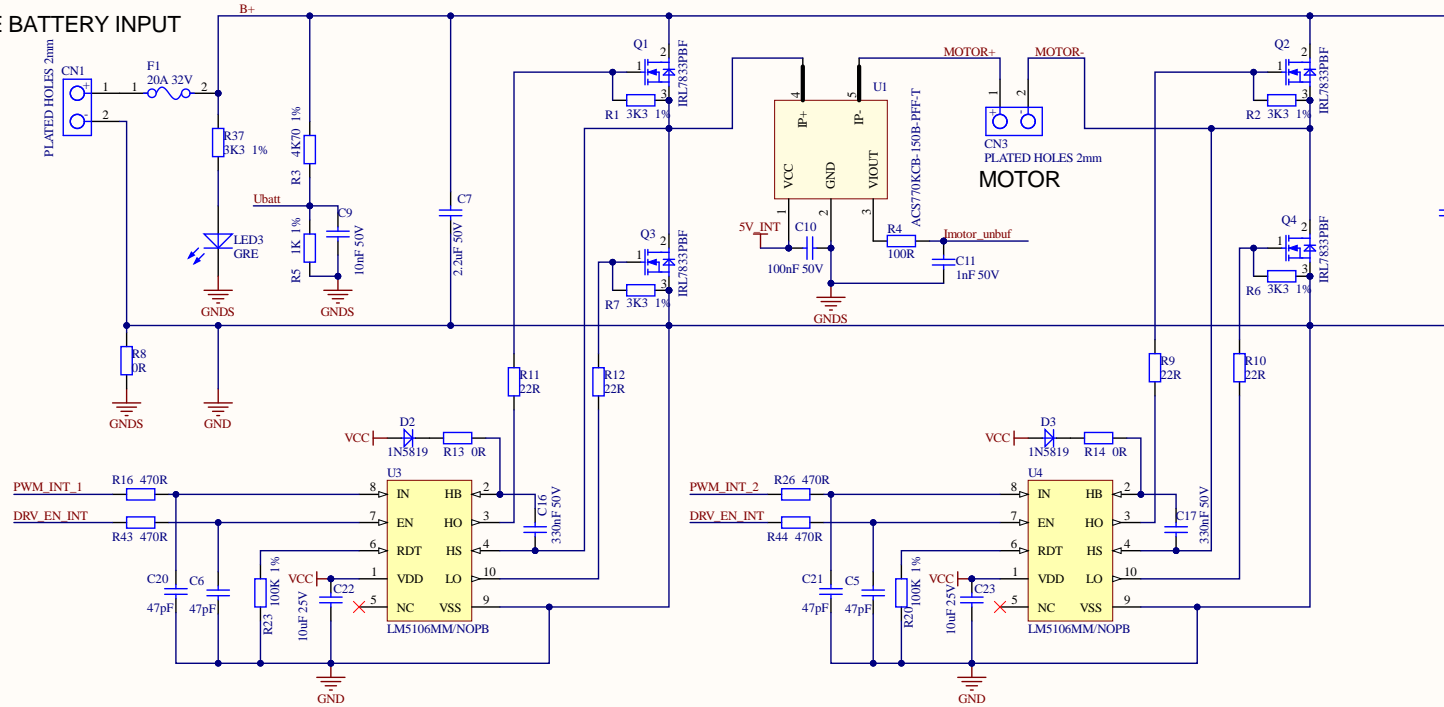


## DRIVE POWER CIRCUIT

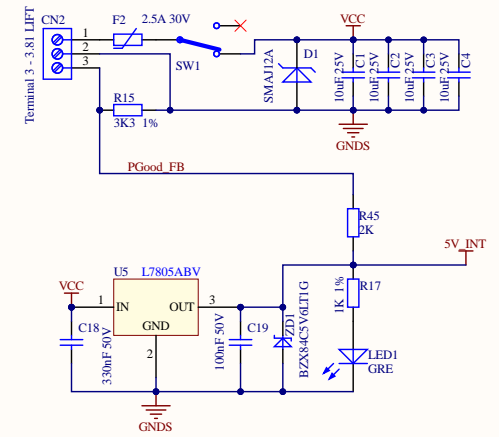
## POWER SUPPLIES

## DRIVE BATTERY INPUT

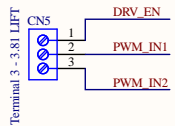
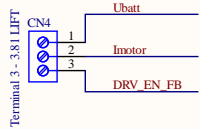


AUX POWER CONNECTOR (15V max)

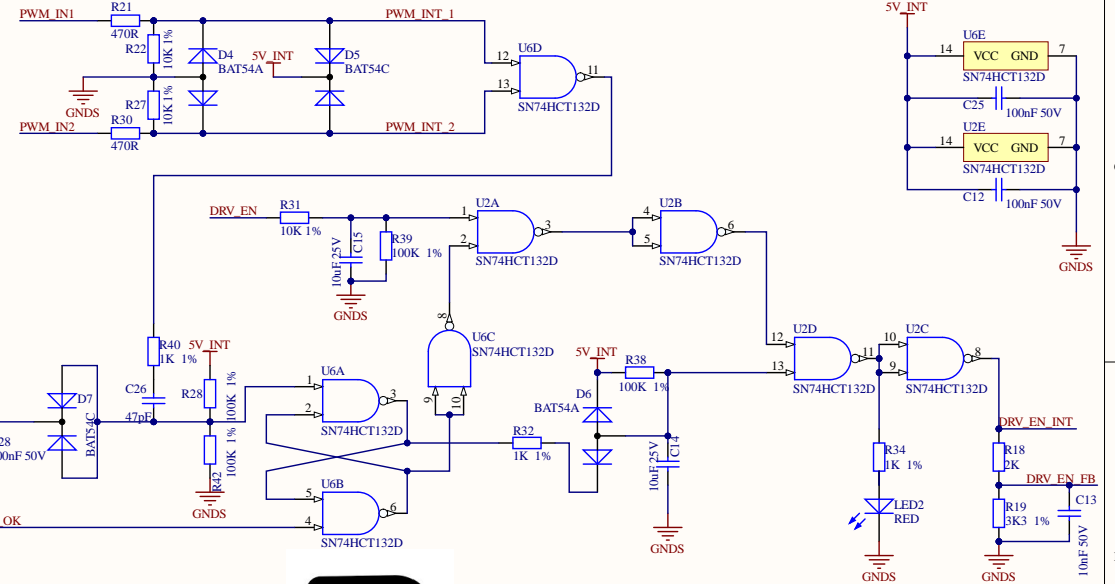
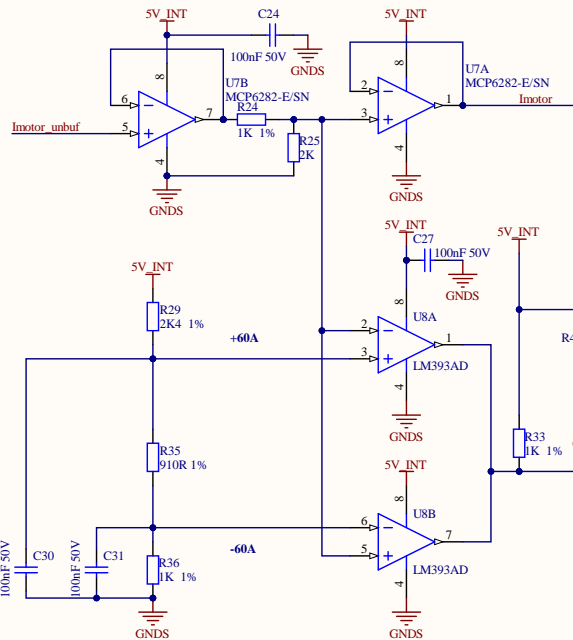
- 1: AUX BATTERY POSITIVE
- 2: AUX BATTERY NEGATIVE
- 3: AUX POWER GOOD FEEDBACK (output)



## SIGNAL CONNECTORS

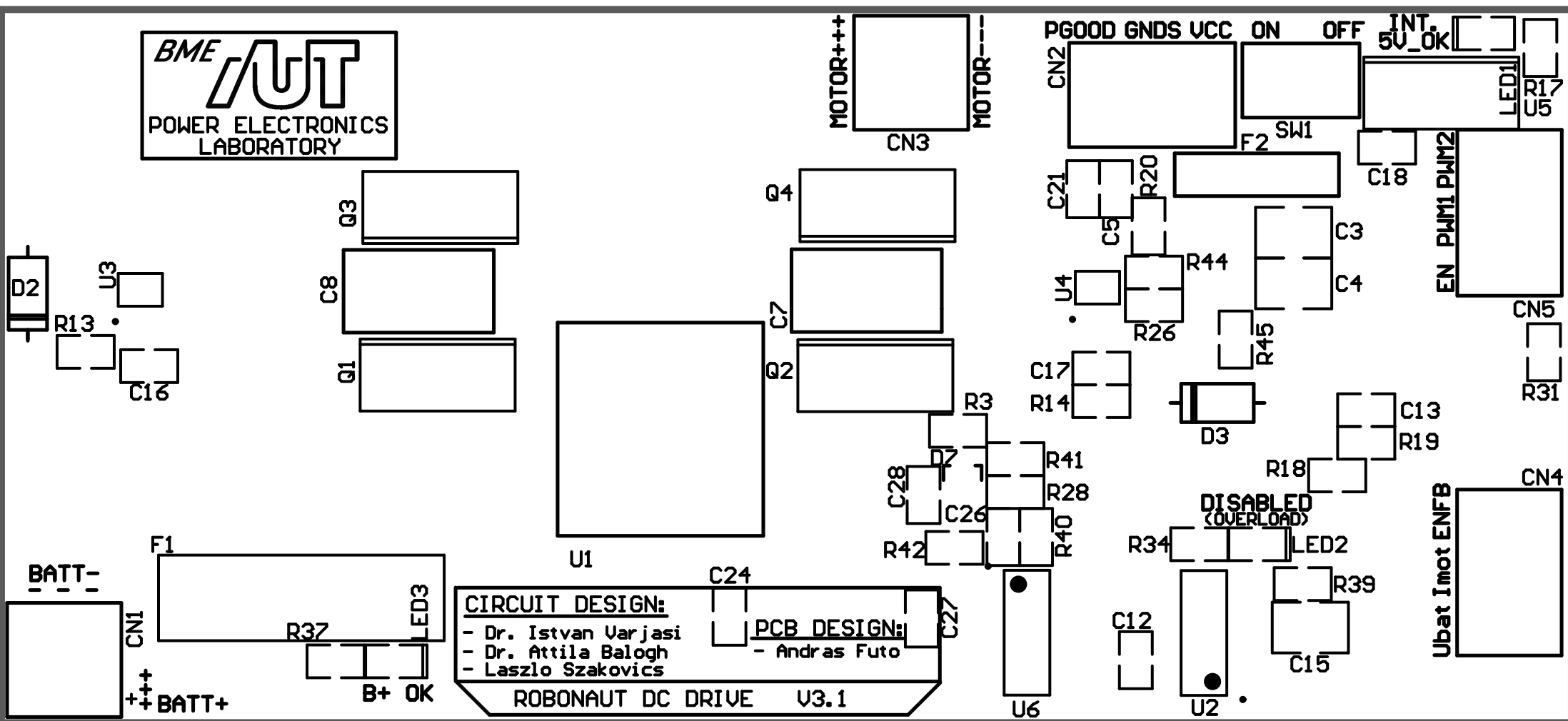


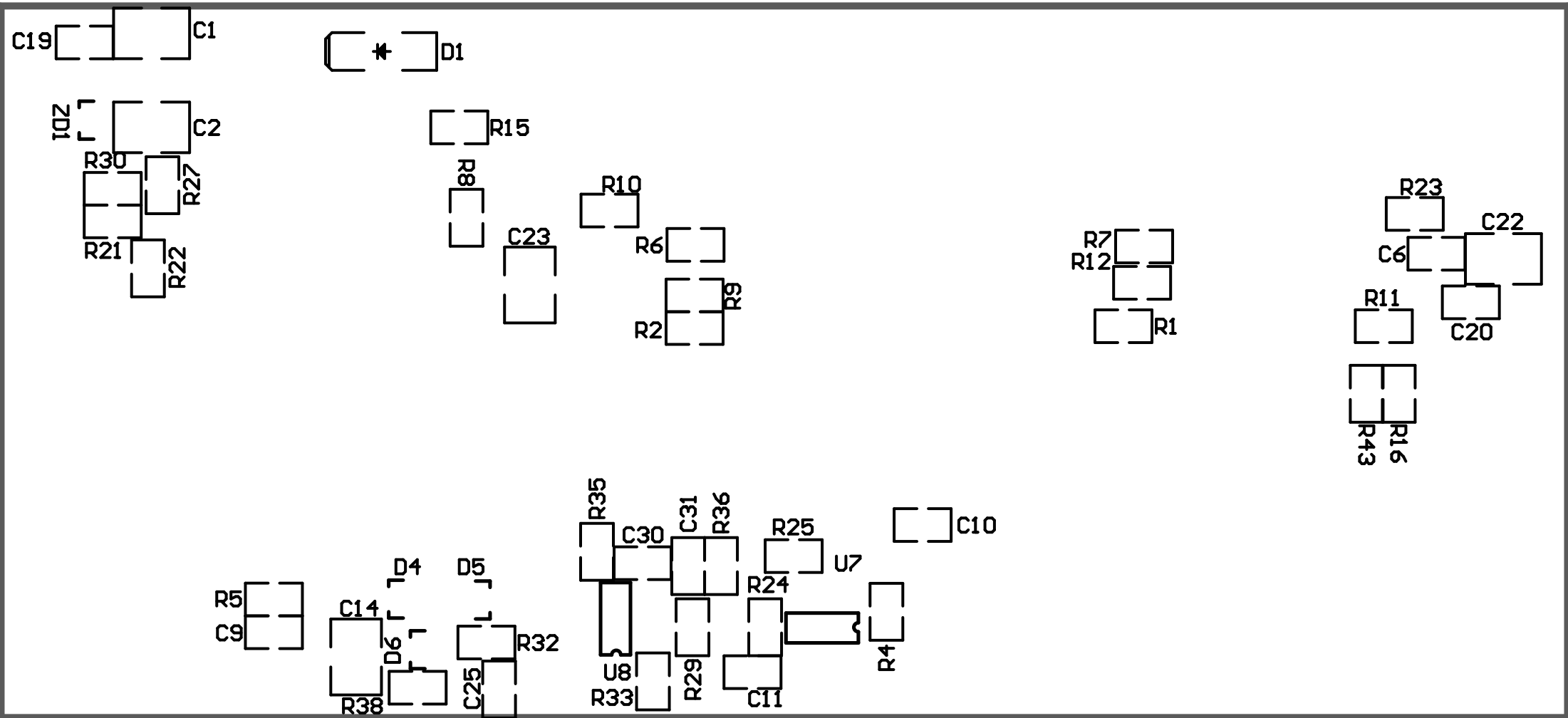
## MEASUREMENT AND PROTECTION



LOGO

Title				ROBONAUT DC drive			
Size		Number			Revision		
A3		1			3.1		
Date:				9. 22. 2020			
File:				D:\Temp\V31\drive_main.SchDoc		Sheet of 1 / 1	
				Drawn By: A. Futo, A. Balogh			





BME/UT  
POWER ELECTRONICS  
LABORATORY

MOTOR++  
CN3  
MOTOR--

PGND GND5 UCC ON OFF INT.  
CN2 SW1

EN PWM1 PWM2

CN5

CN4

Ubat Imot ENFB

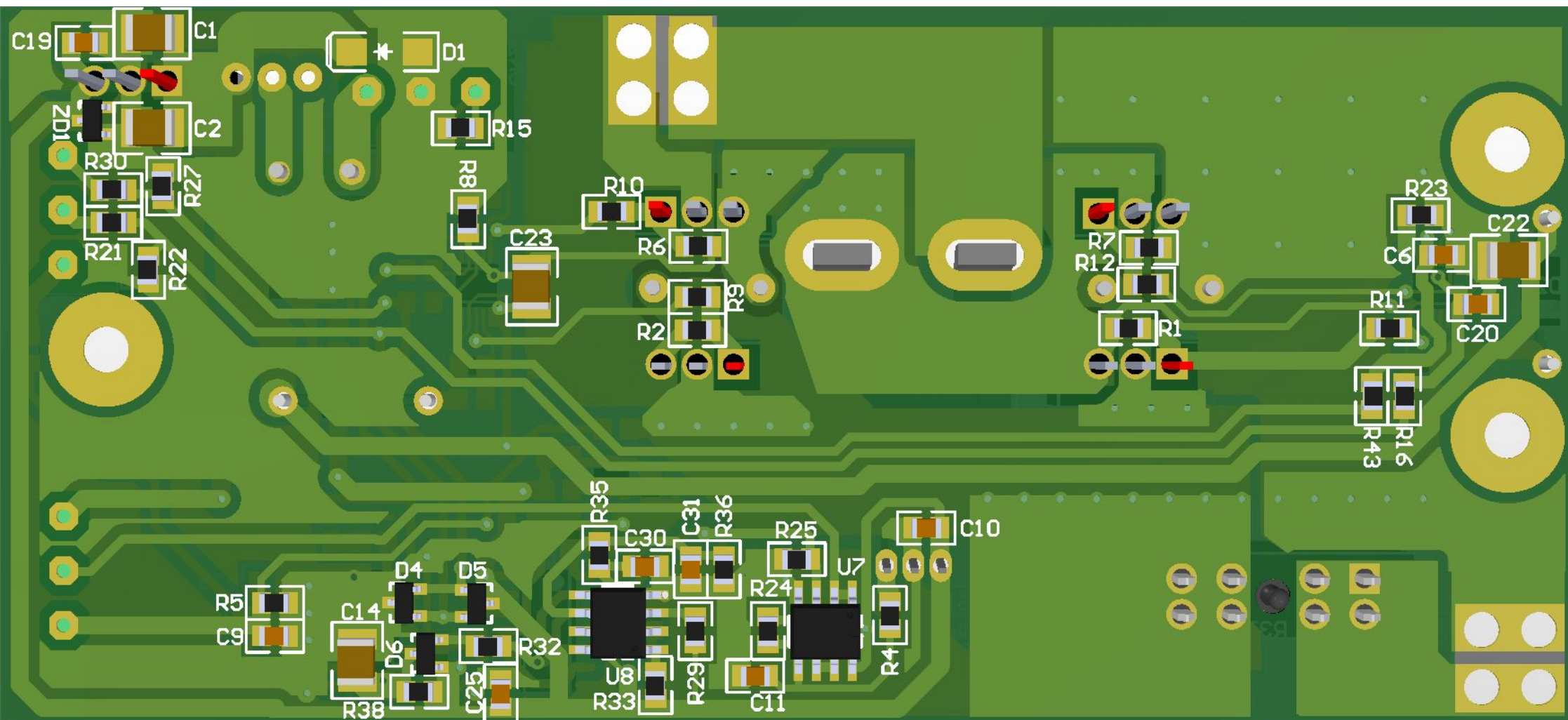
BATT-  
F1  
BATT+  
B+ OK

CIRCUIT DESIGN:

- Dr. Istvan Varjasi
- Dr. Attila Balogh
- Laszlo Szakovics

PCB DESIGN:  
- Andras Futo

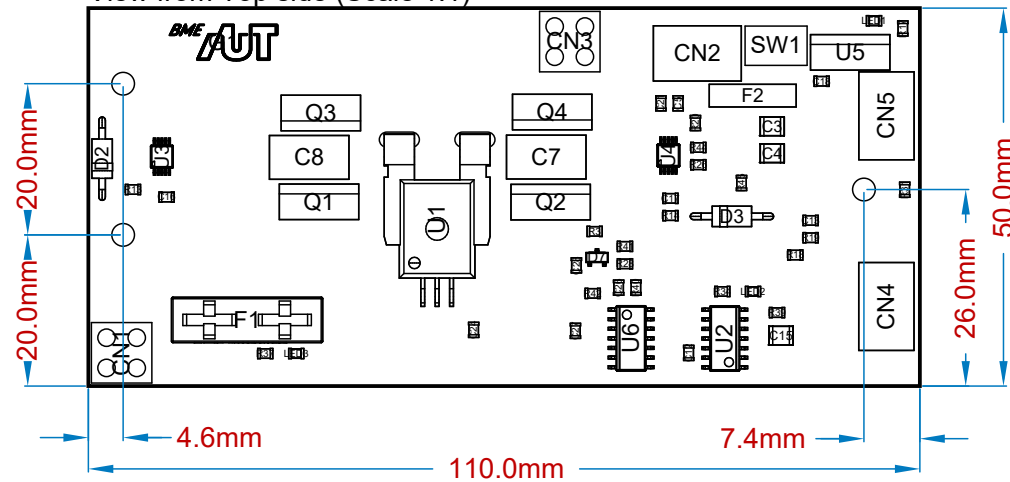
ROBONAUT DC DRIVE V3.1



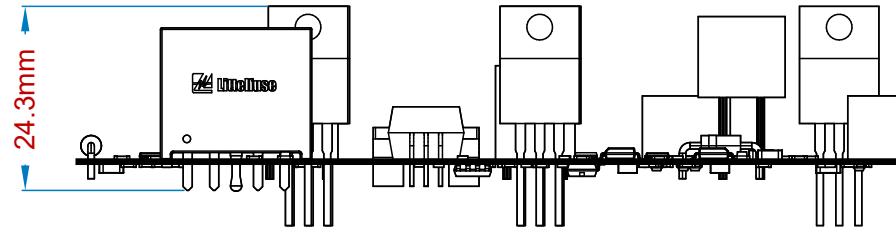
A

B

View from Top side (Scale 1:1)



View from Front side (Scale 1:1)



1

1

2

2

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BME-AUT. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF

PROPRIETARY AND CONFIDENTIAL

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	BME-AUT		
		DIMENSIONS ARE IN INCHES		DRAWN	2020. 09. 22	TITLE  RobonAUT DC Drive		
		TOLERANCES:		CHECKED				
		FRACTIONAL ±		ENG APPR.				
		ANGULAR: MACH ± BEND ±		MFG APPR.				
		TWO PLACE DECIMAL ±		Q.A.				
		THREE PLACE DECIMAL ±		COMMENTS:				
		INTERPRET GEOMETRIC TOLERANCING PER:				SIZE	DWG. NO.	
		MATERIAL						
		FINISH						
	NEXT ASSY	USED ON				SCALE: 1:1	WEIGHT:	SHEET 1 OF 1
	APPLICATION		DO NOT SCALE DRAWING					

A

B