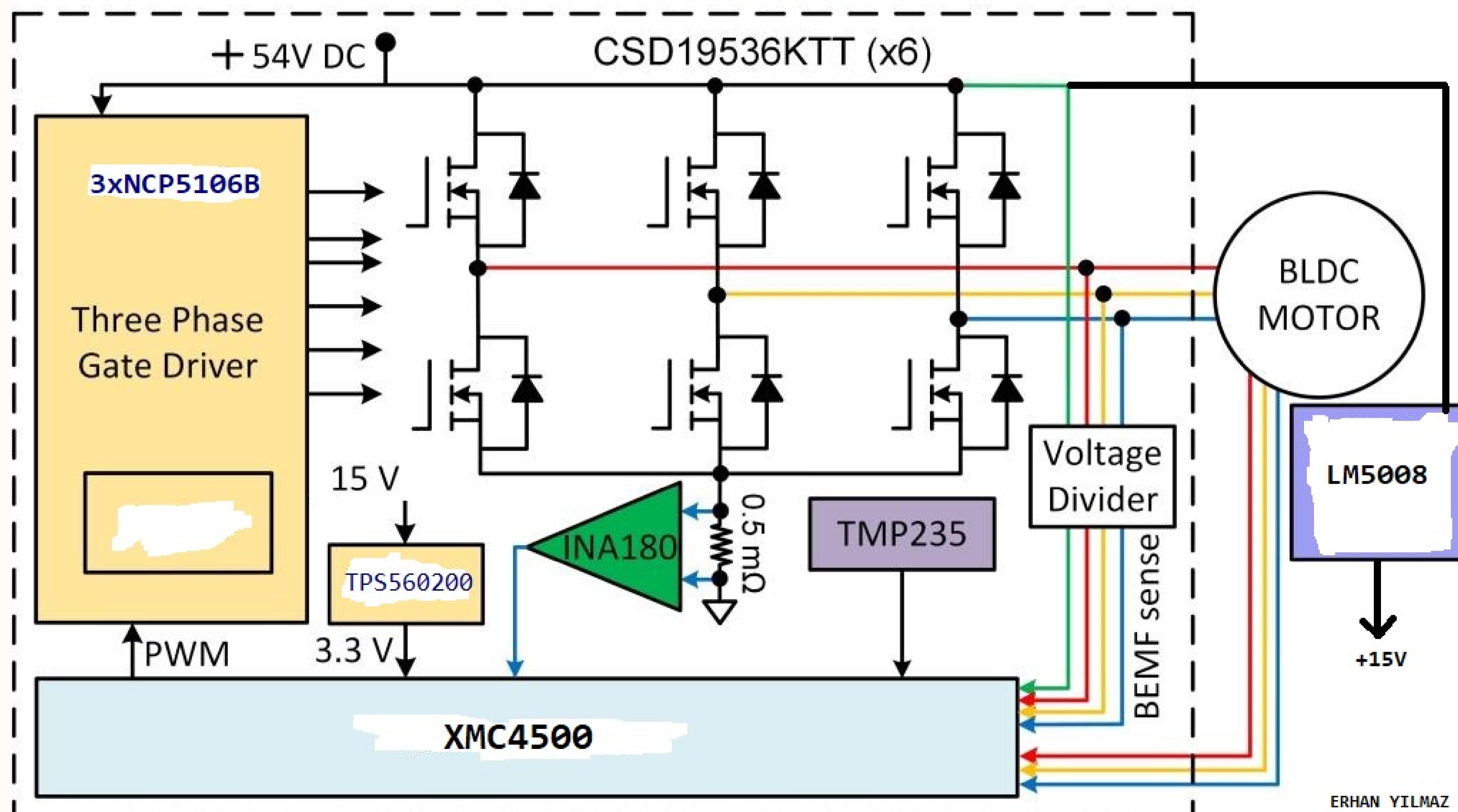


BEUTH EMOB BLDC CONTROLLER



A

A



NY PMS 256 0025 PH



NY PMS 256 0025 PH



NY PMS 256 0025 PH



LOGO1

B

B

C

C

D

D

Project Name : Beuth EMOB BLDC Controller Derived from TI TIDA-010056



Modified Date : 16/12/2019

Revision : 1

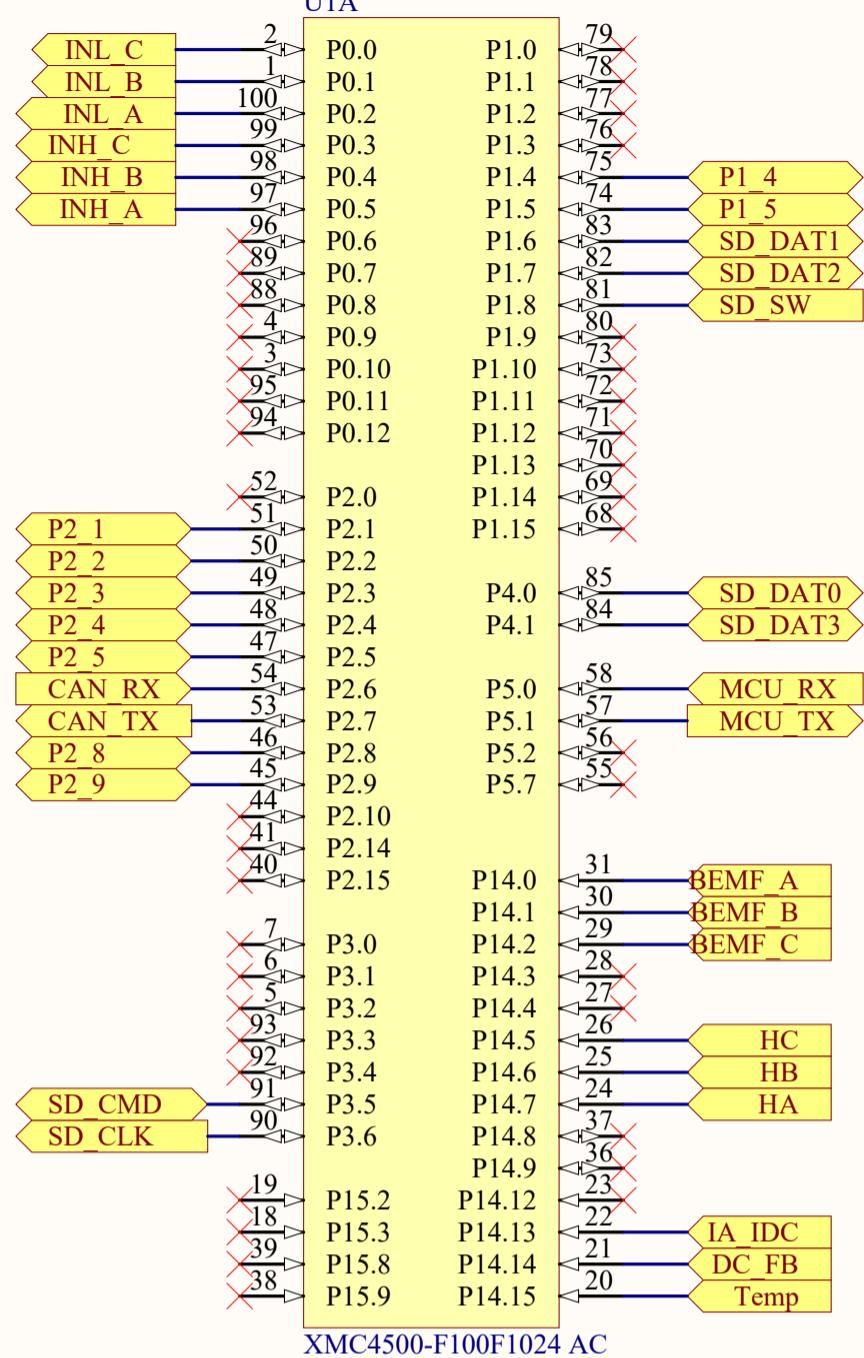
Drawn By : Erhan YILMAZ

Sheet 2 of 4

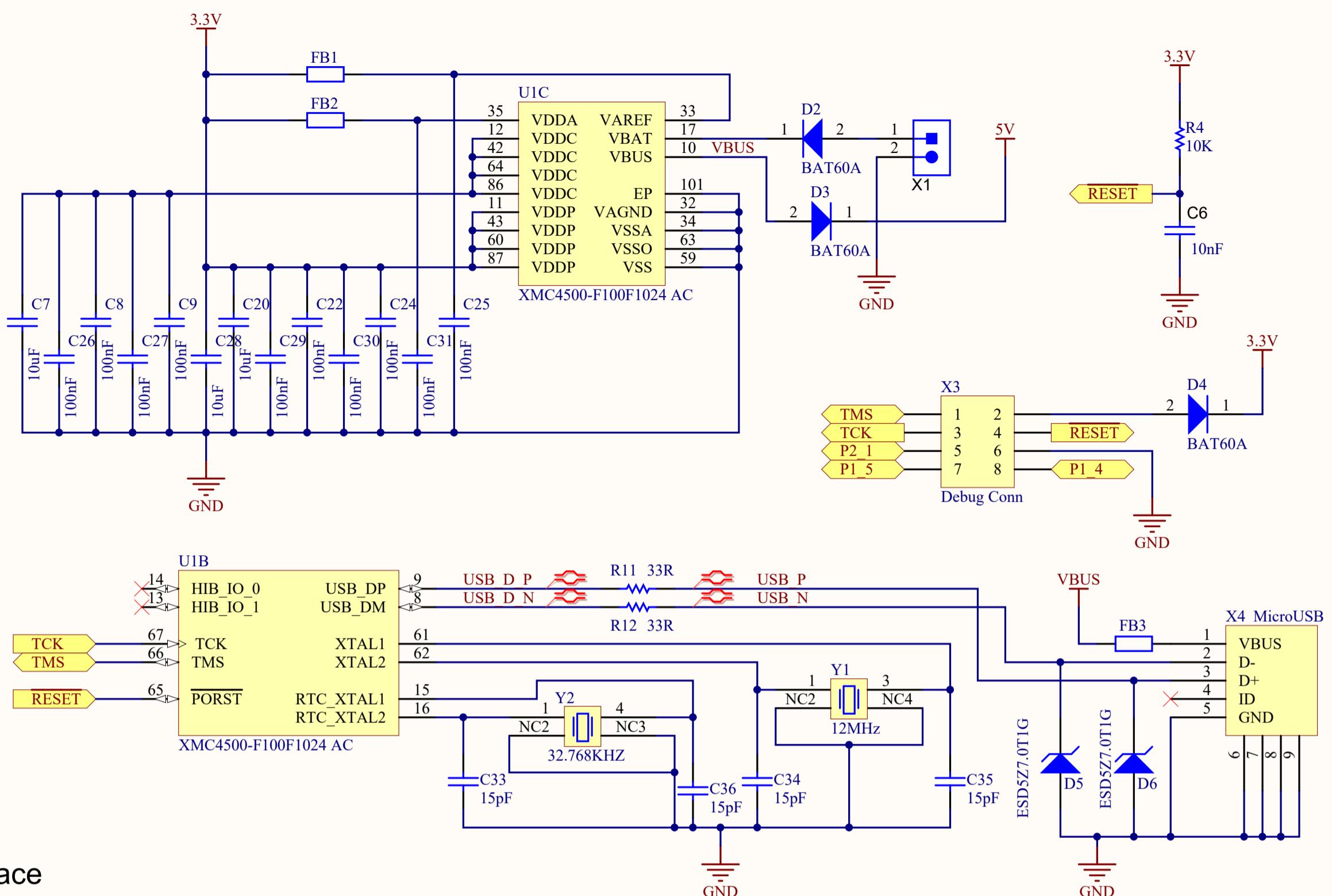
Designed By : Erhan YILMAZ

Sheet Title : Mechanic Parts

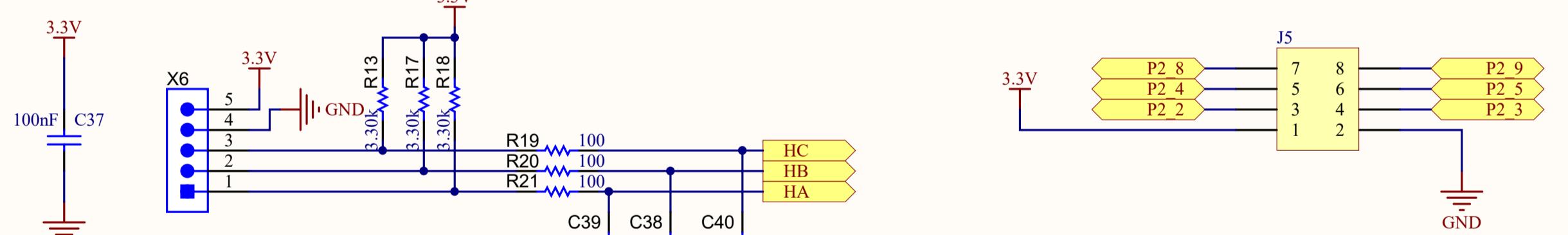
XMC4500 GPIO's



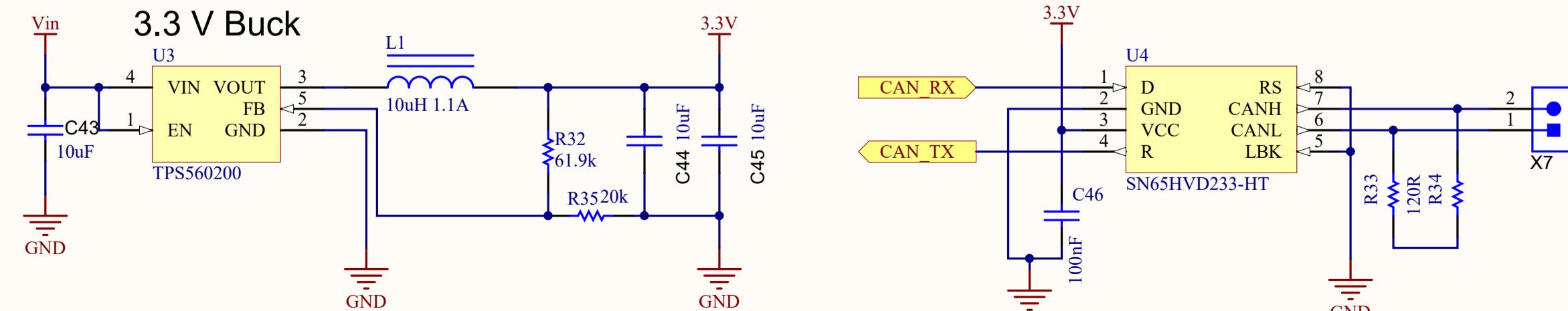
XMC4500 Power, Clock, Debug and USB



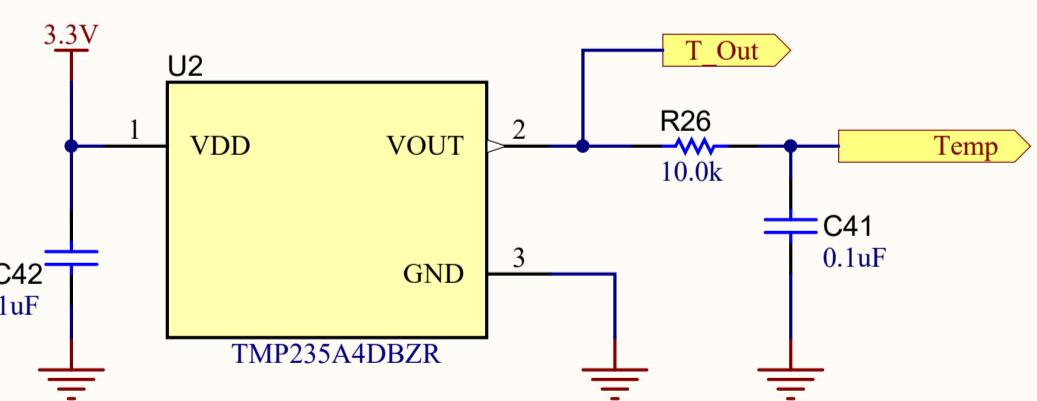
Hall Sensor Interface



CAN Bus Transceiver Circuit



Onboard Temperature Sensor



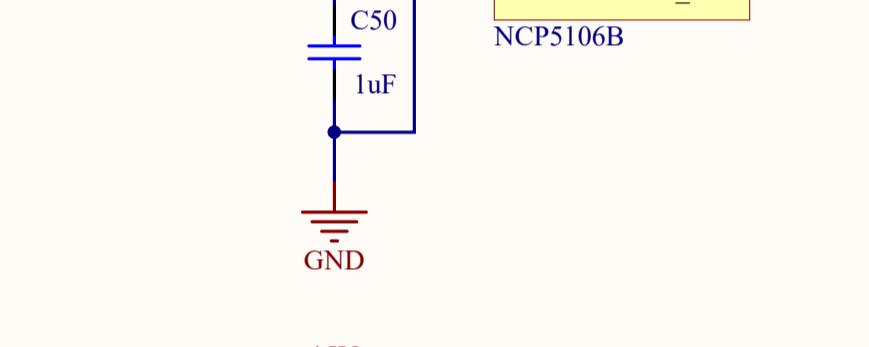
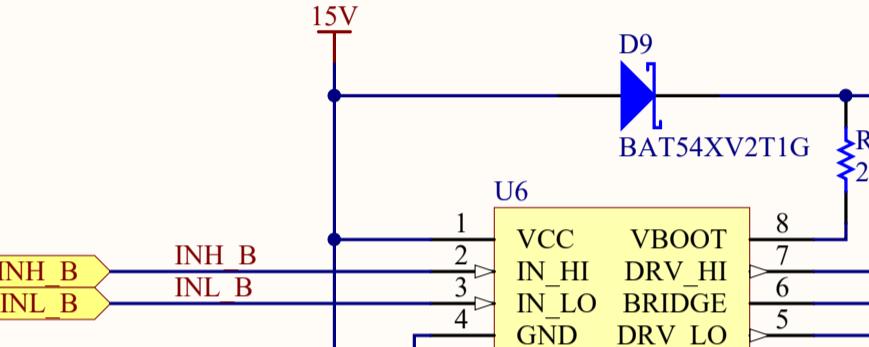
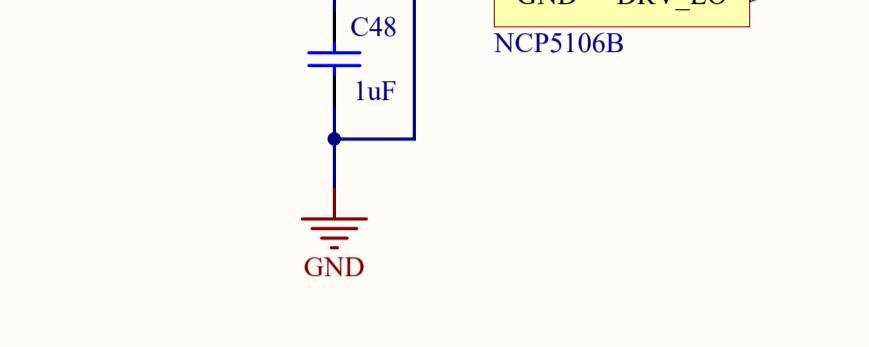
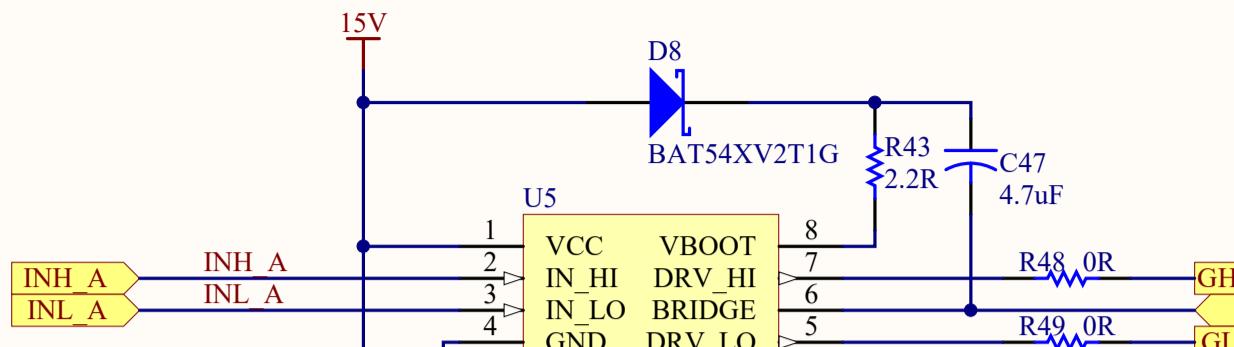
Project Name : Beuth EMOB BLDC Controller Derived from TI TIDA-010056

Modified Date : 16/12/2019 Revision : 1

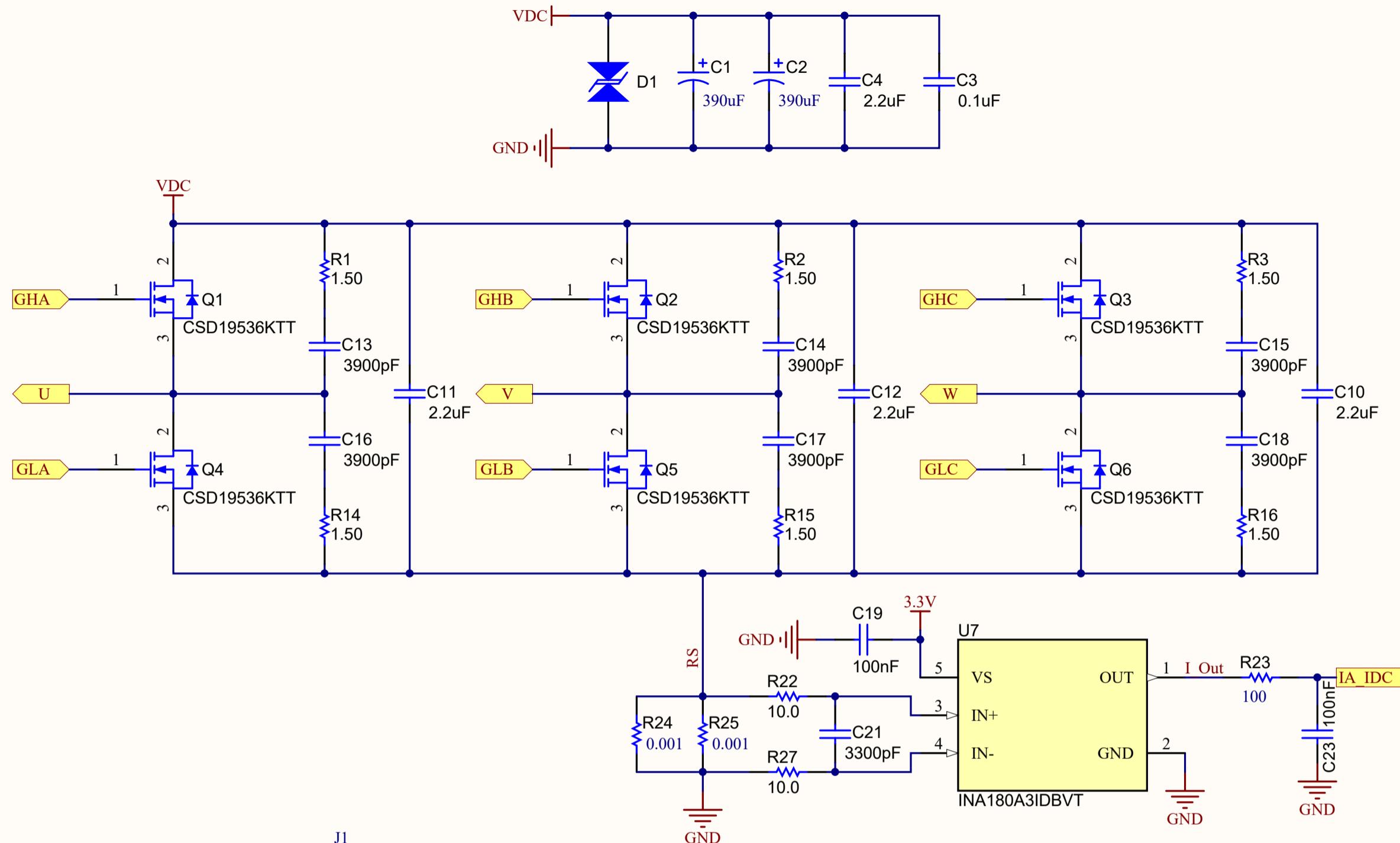
Drawn By : Erhan YILMAZ Sheet 3 of 4

Designed By : Erhan YILMAZ Sheet Title : MCU and Control

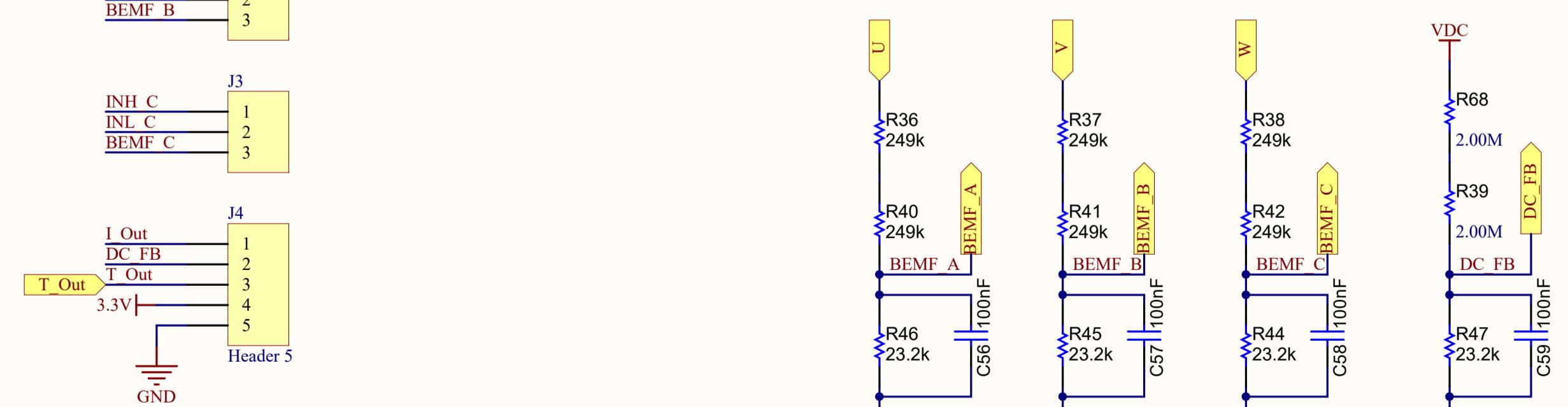
Three Phase gate Driver



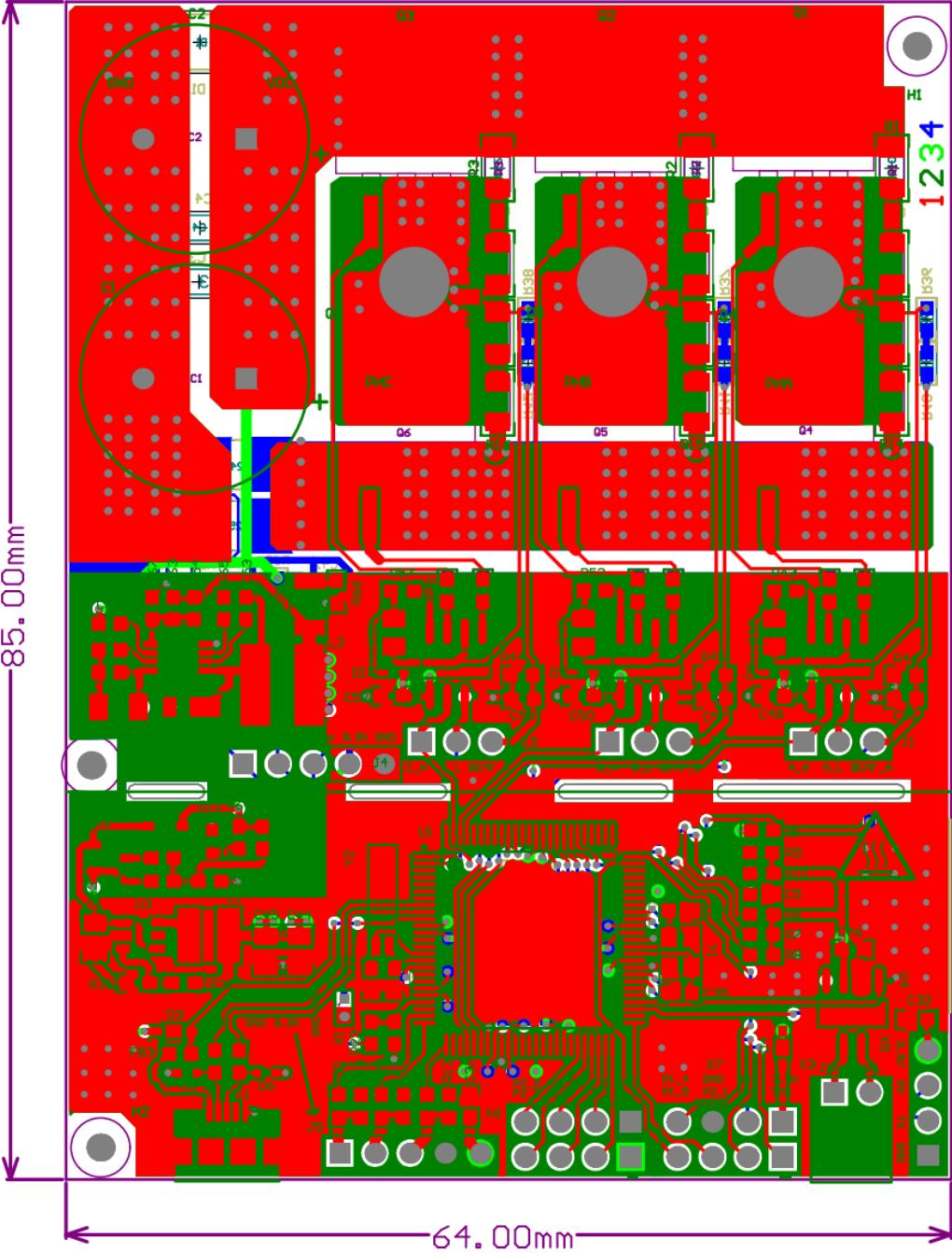
Three Phase Inverter with Current Sensing

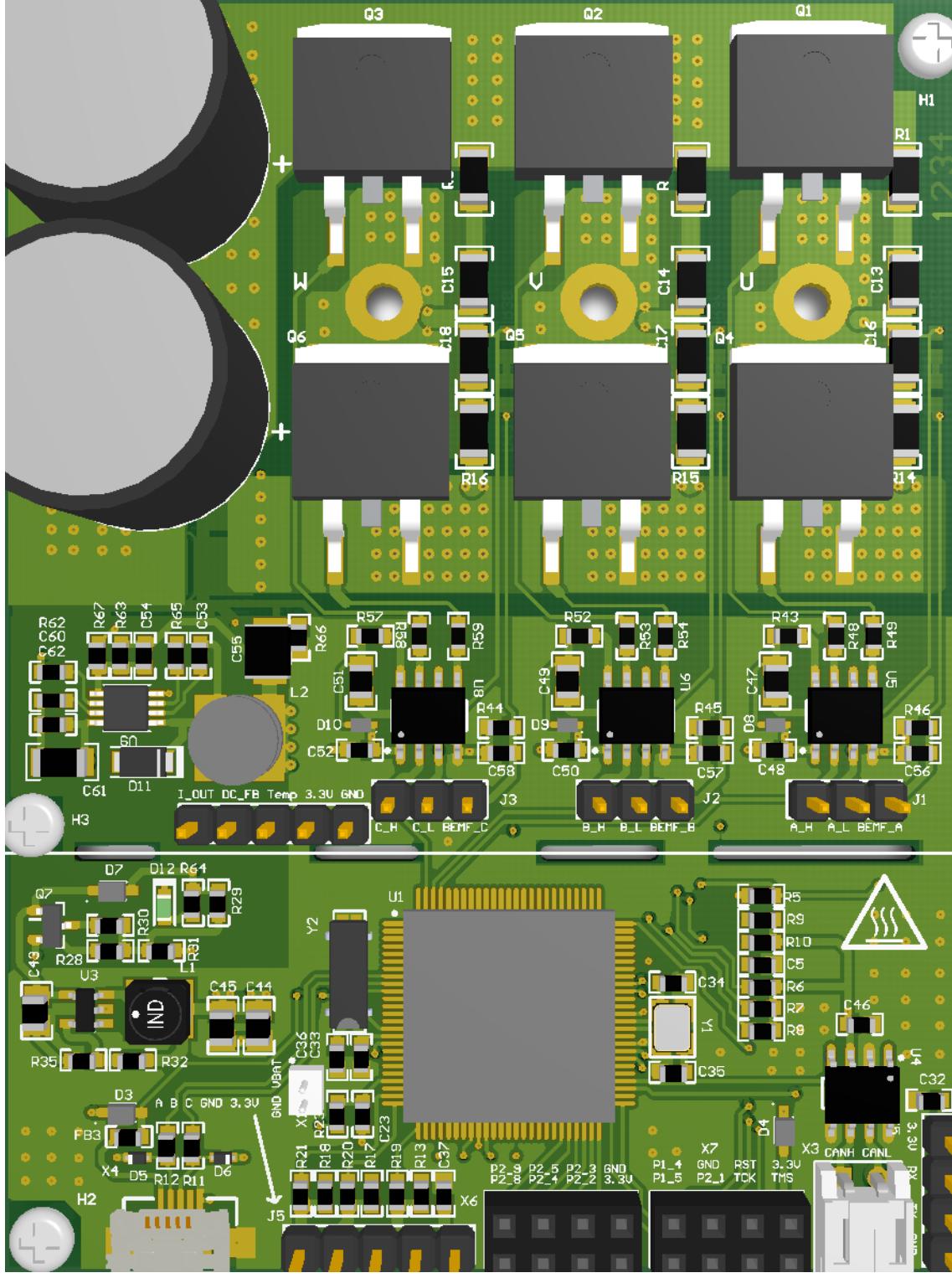


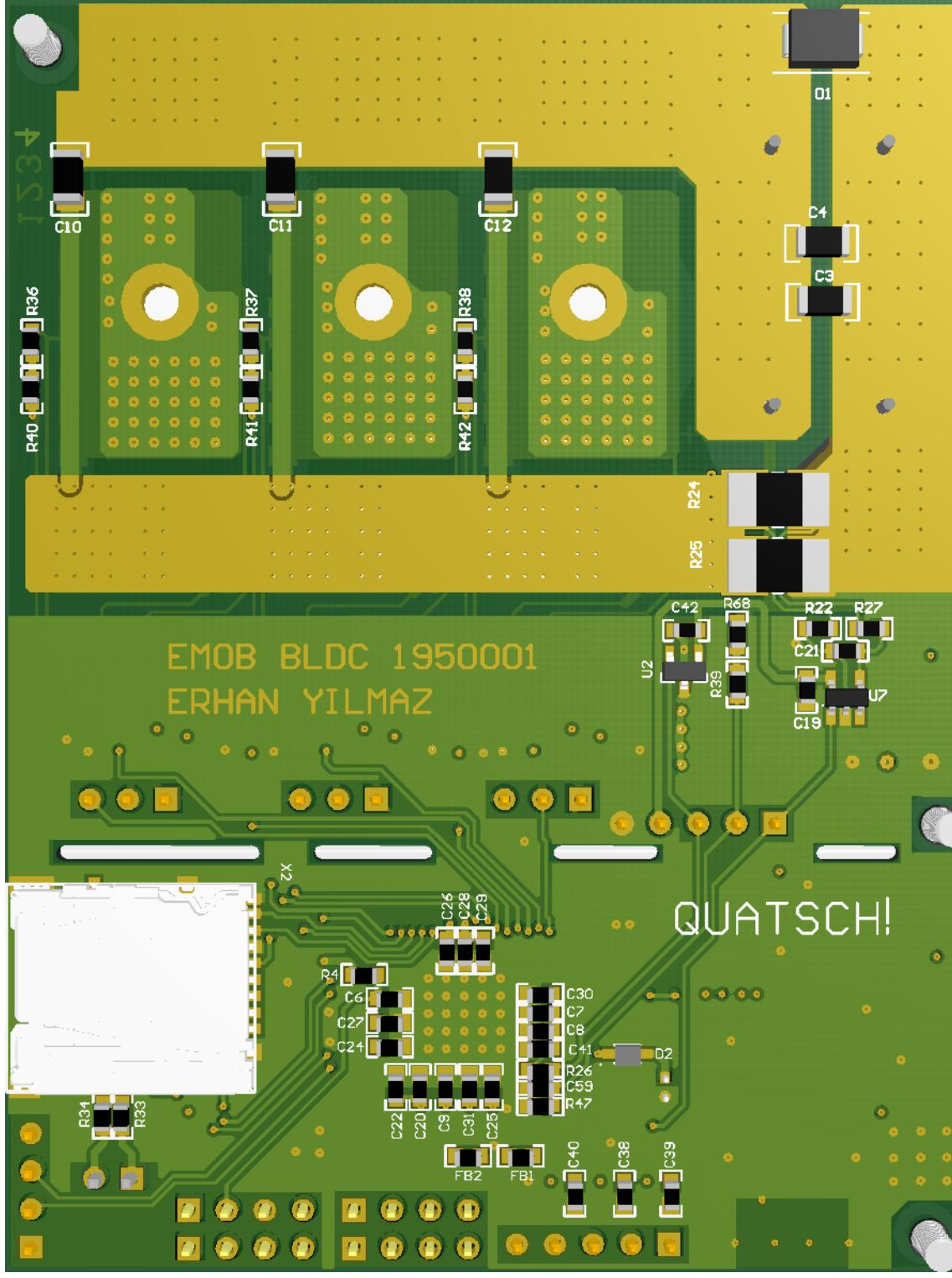
DC bus and BEMF Voltage Sensing

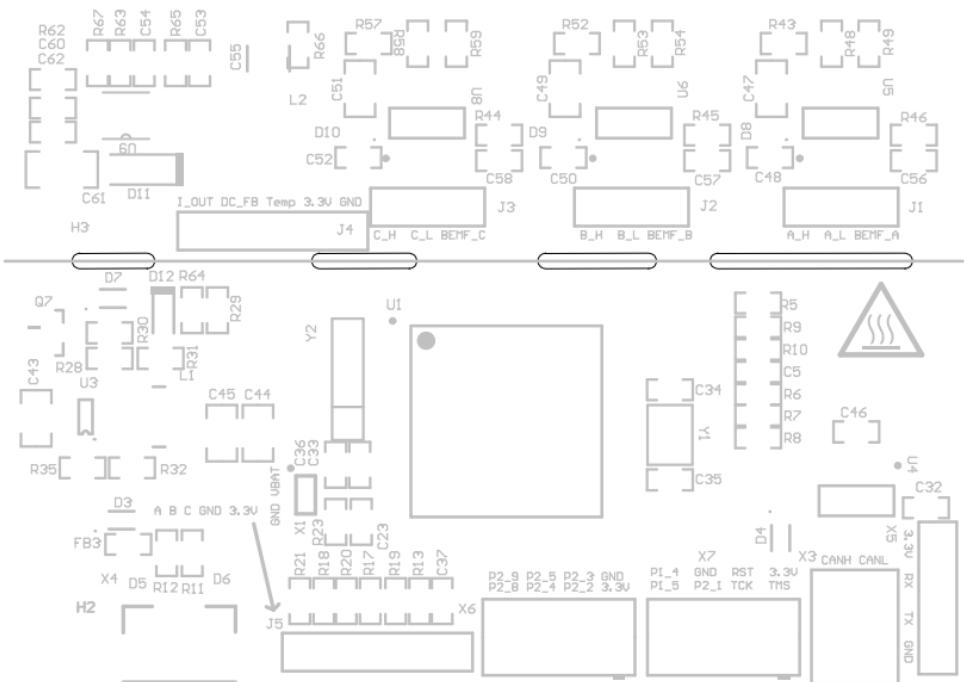
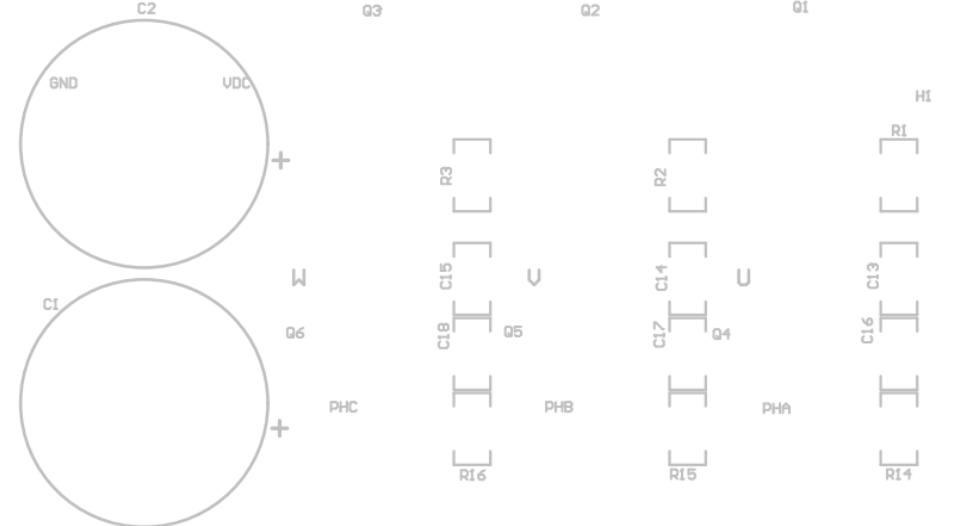


Project Name : Beuth EMOB BLDC Controller Derived from TI TIDA-010056	
Modified Date : 16/12/2019	Revision : 1
Drawn By : Erhan YILMAZ	Sheet 4 of 4
Designed By : Erhan YILMAZ	Sheet Title : Power Stage

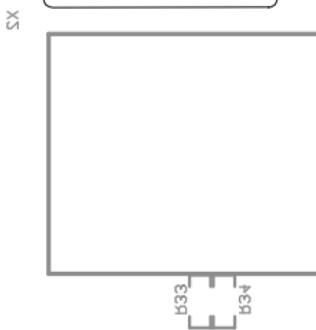
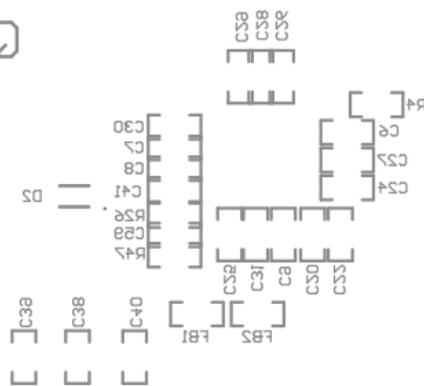








QUATSCHE



REB [I] 14A

C11

C12

REB [I] 14A

C13

C14

C15

C16

C17

C18

C19

C20

C21

C22

C23

C24

C25

C26

C27

C28

C29

C30

C31

C32

FBS

LBI

CS2

C31

C30

C29

C28

C27

C26

C25

C24

C23

C22

C21

C20

C19

C18

C17

C16

C15

C14

C13

C12

C11

C10

C9

C8

C7

C6

C5

C4

C3

C2

C1

C0

GND

R23

R24

R25

R26

R27

R28

R29

R30

R31

R32

R33

R34

R35

R36

R37

R38

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R294

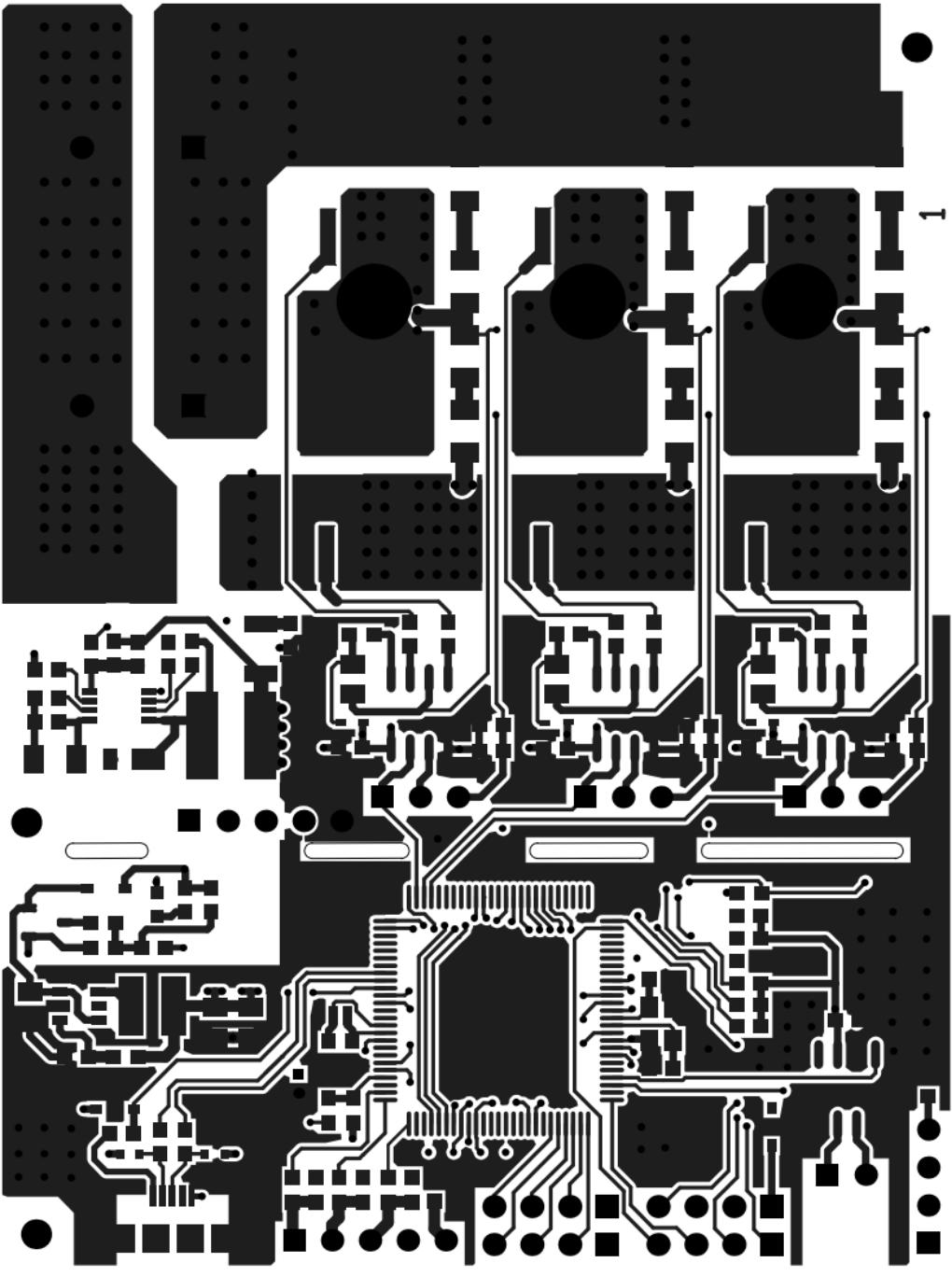
R295

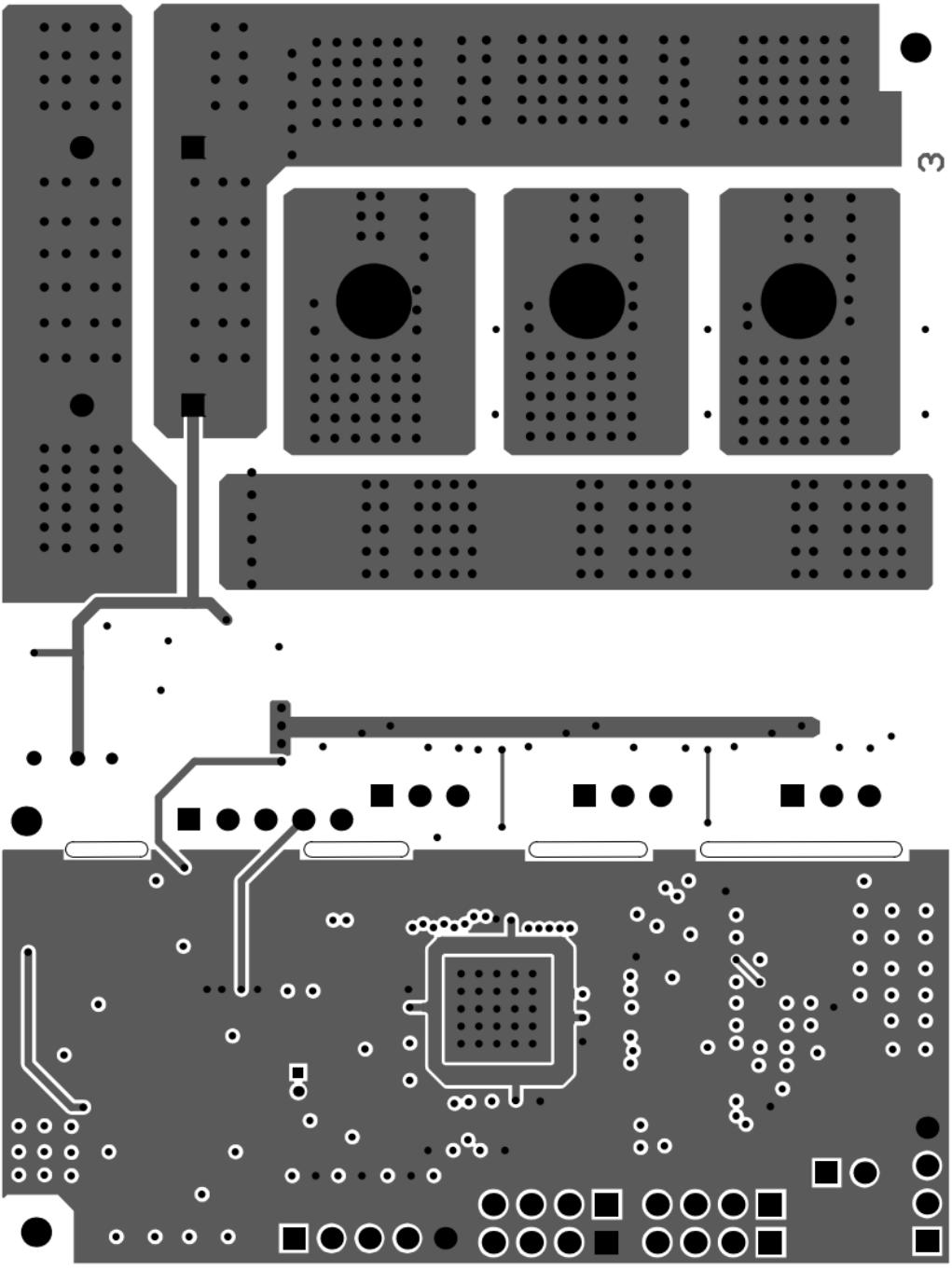
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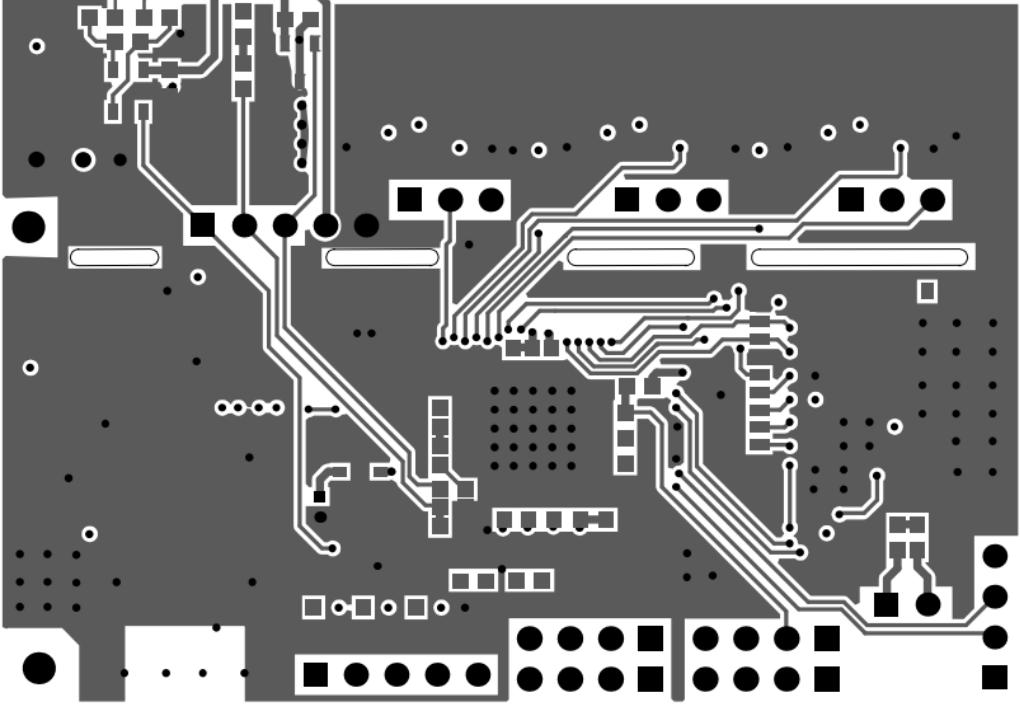
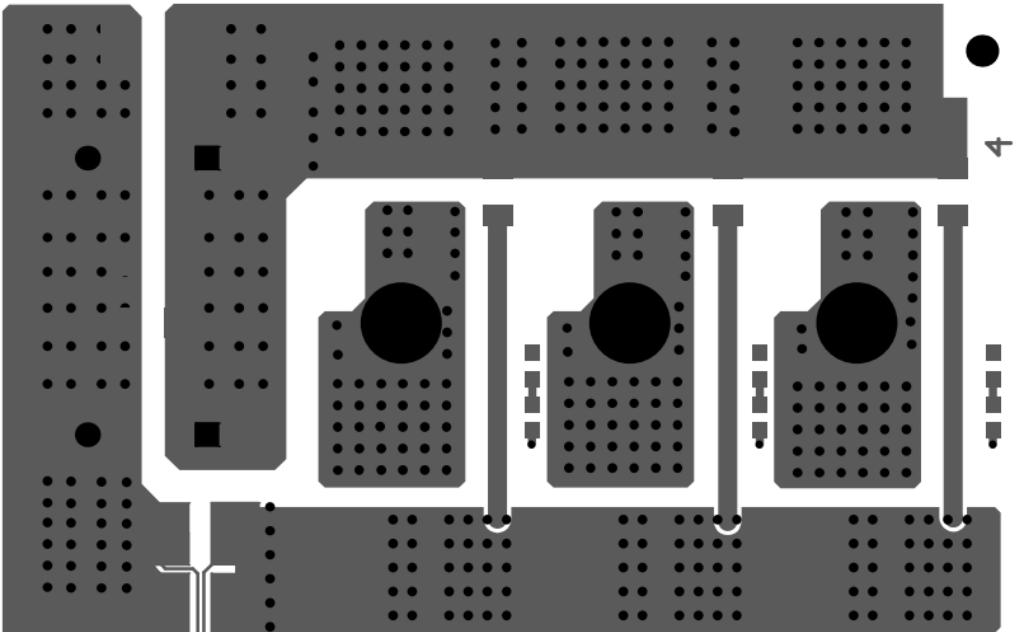
R297

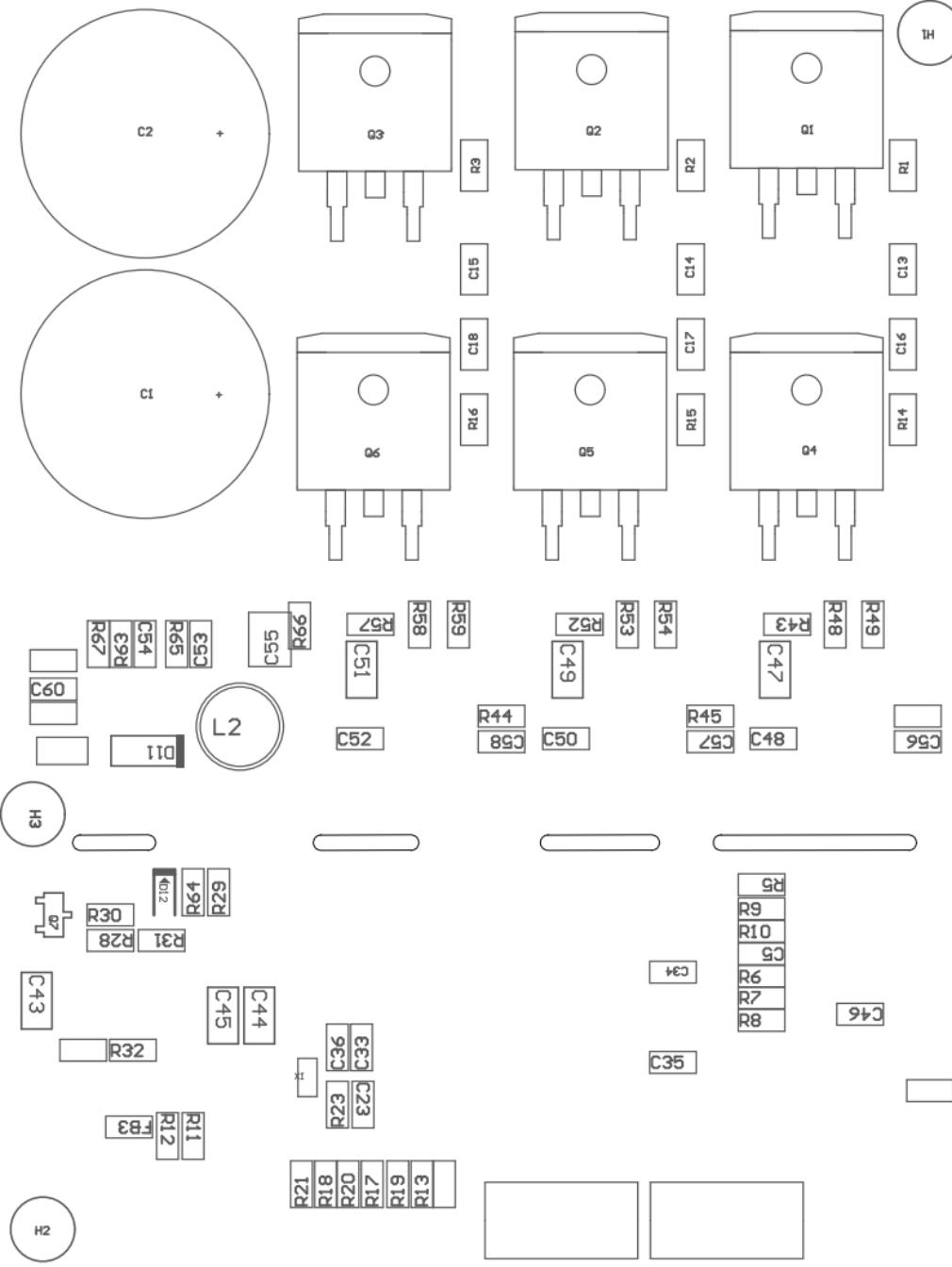
R298

R299









10

cr

C10

43

8

G15

645 638

545 531

640 632

450

८४

229
R23
CST
61

63a
Beg
C45
ns

10. The following four statements are given below. Which one of them is correct?

EBI EBF

b34
B33

