

Revision History:	
Rev	Description

Sheet Title: **MCISO Microcontroller**

Project: **MCISO QEV3**

Size: A3 Number: **4**

Drawn By: John Hatfield & Bishwam Pattnaik

Print Date: 20/04/2021 Print Time: 12:05:42 PM

Version: **01**

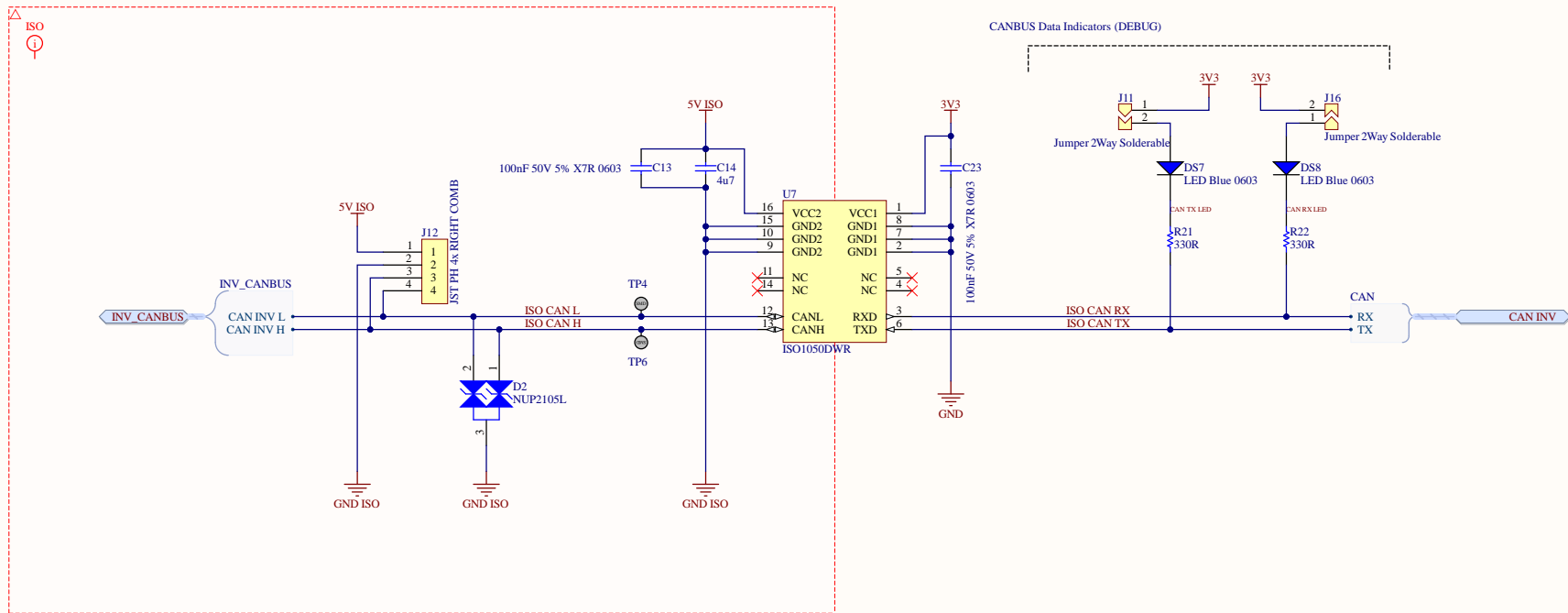
Revision: **01**

Sheet **3** of **8**

File Name: MCISO-S04-V00-Microcontroller.SchDoc

**QUT Motorsport**  
O-120, Gardens Point  
2 George Street  
Brisbane, QLD 4000  
Australia

**QUT**  
**MOTORSPORT**

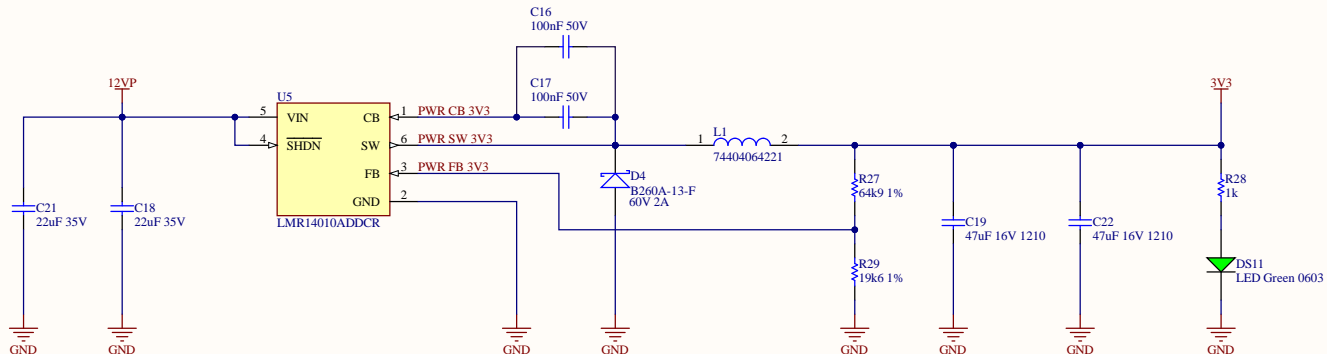



Title		
Isolated Canbus		
Size	Number	Revision
A3		
Date:	4/20/2021	Sheet of
File:	C:\Users\jmciso\S05-V00-CANIsolation\	Disc: 1 of 1

## Properties

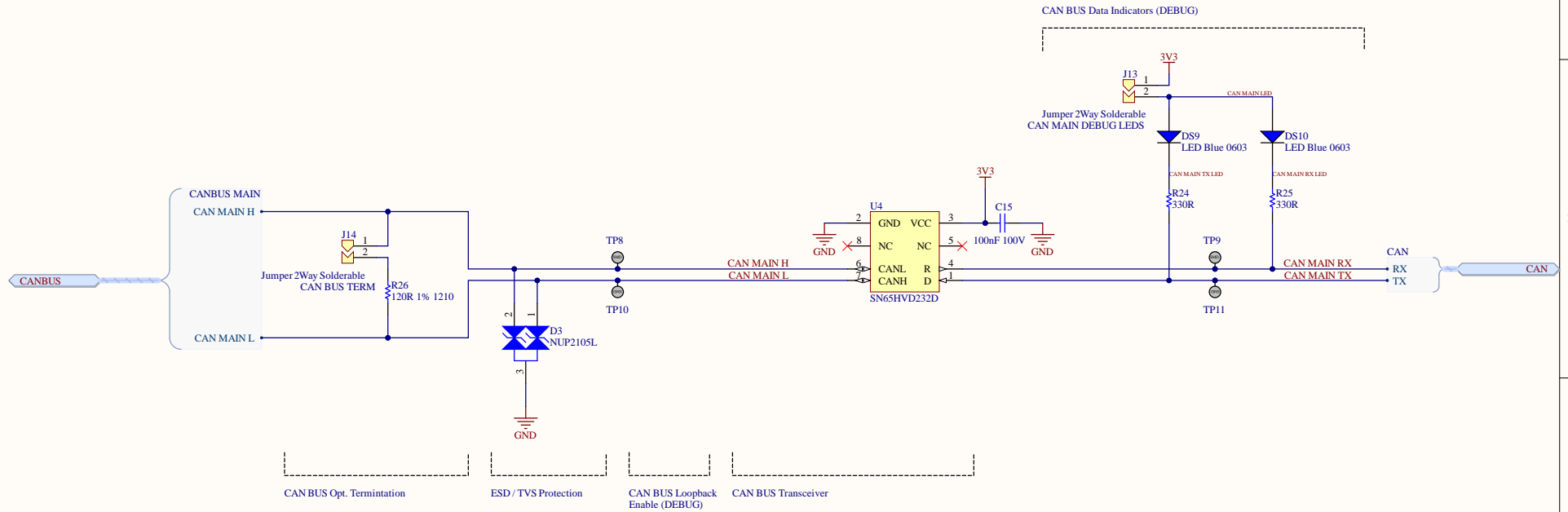
Input voltage range: 9V - 16V
Output voltage: 3V3
Output current: 300mA
Estimated efficiency: 88%
Price estimate (Feb 2021): \$1.64USD

## TI Webench Interactive Model

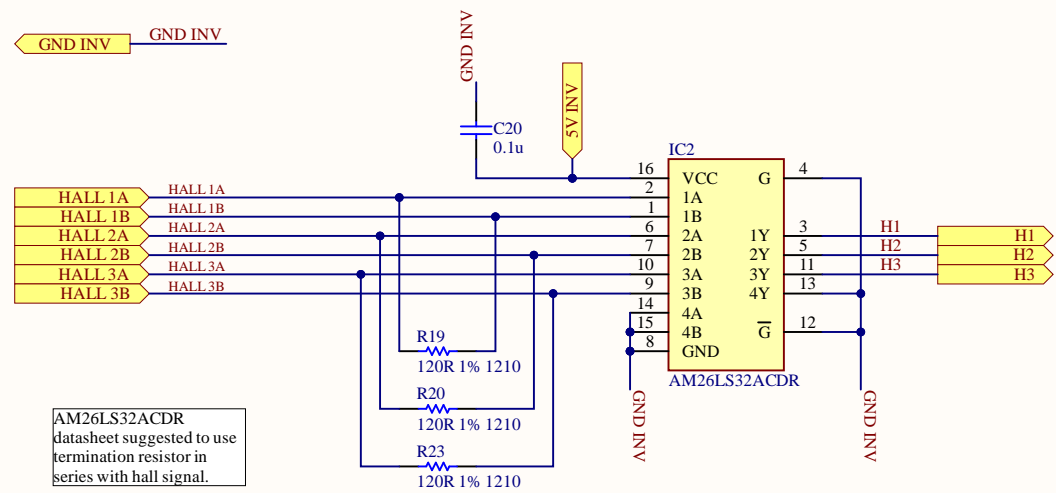


Title: <b>Power Supply (20-40V to 3v3 @ 0.1-0.6A)</b>			
Size: <b>A3</b>	Number: <b>2</b>	Revision: <b>01</b>	
Date: <b>20/04/2021</b>	Time: <b>12:05:43 PM</b>	Sheet: <b>5</b> of <b>8</b>	
File: <b>C:\Users\j1027944\Documents\01\TMS_MCS10B\BOM\MCS10B_S07_V000_Master_BSI13V3_300mA_SchDoc</b>			





Title		
Main Canbus		
Size	Number	Revision
A3		
Date:	4/20/2021	Sheet of
File:	C:\Users\jmciso\S03-V00-CAN MAIN	Drawn By:



AM26LS32ACDR  
datasheet suggested to use  
termination resistor in  
series with hall signal.

Need 1/4 watt

Title		
Hall Diff to Analog		
Size	Number	Revision
A4		
Date:	4/20/2021	Sheet of
File:	C:\Users\...MCISO-S06-V00-HALL_DIFF_Sch.Dwg	4

## A



## C



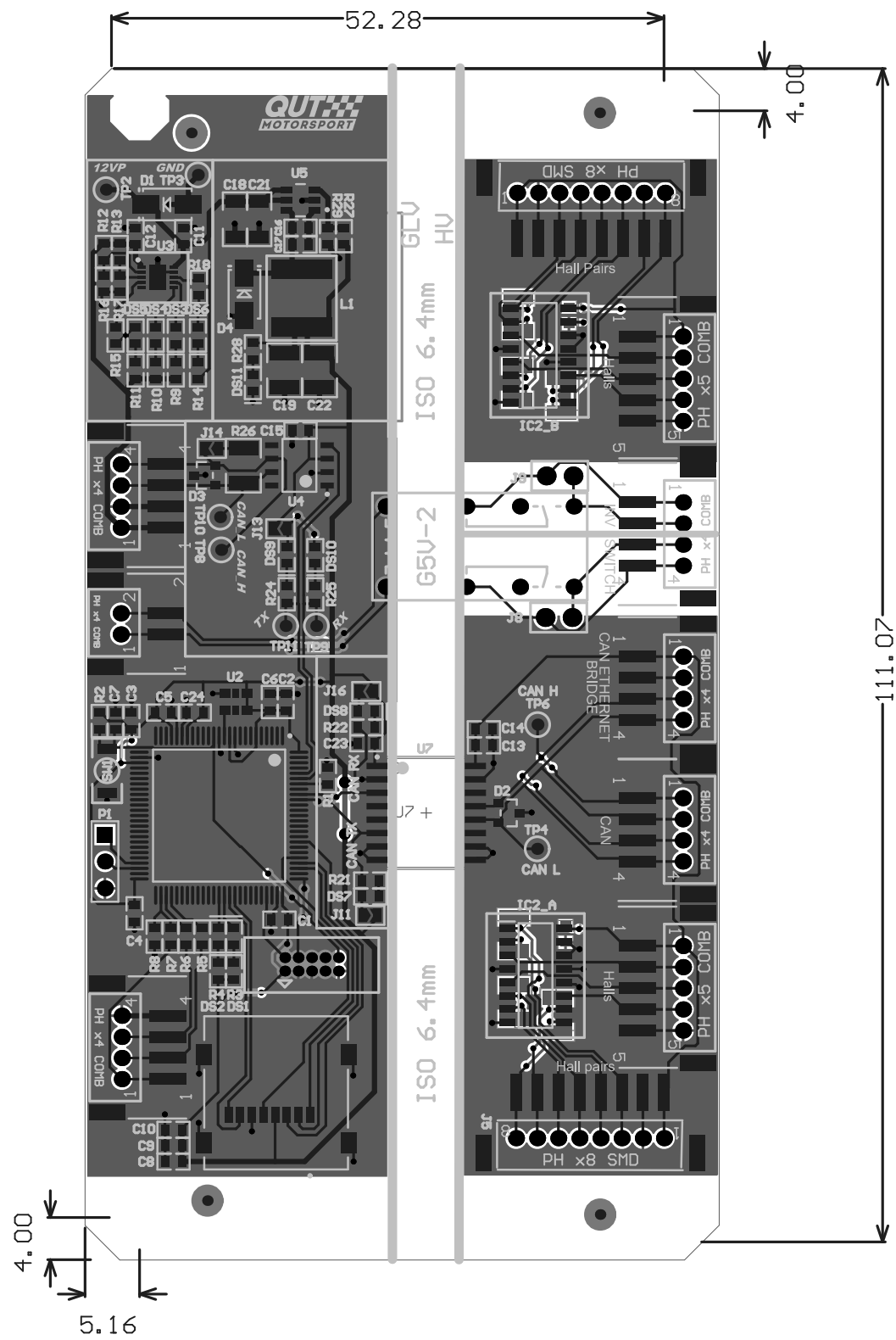
Is Signed By:	
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GSU-2

# VI



# Board Stack Report