

A

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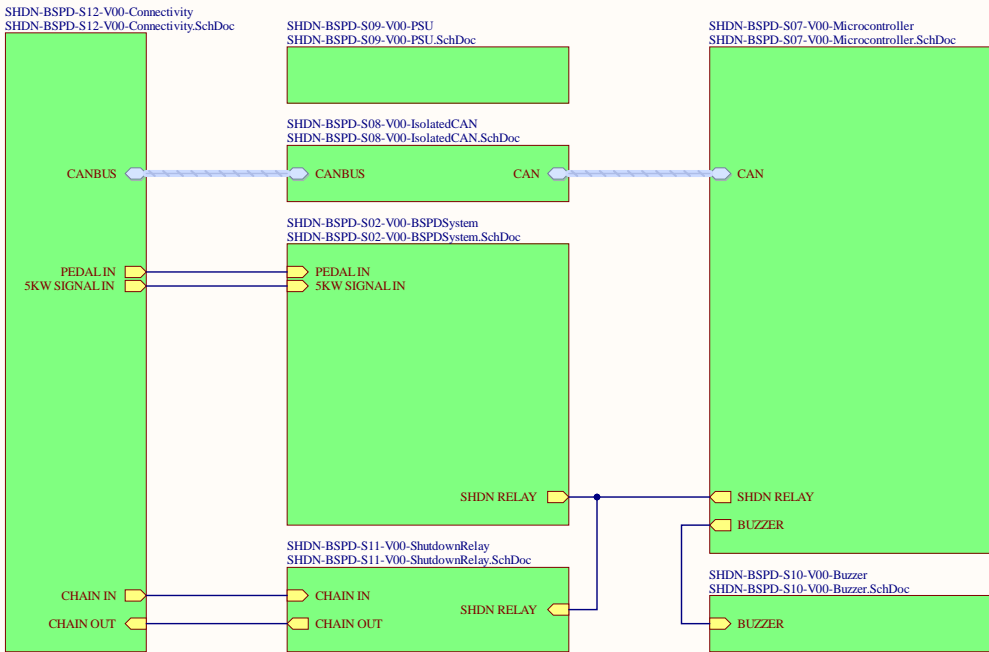
D

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Revision History:

Rev	Date	Description

Sheet Title: *		
Project:		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3	Number: 1	
Drawn By: *	Version: *	
Print Date: 22/07/2020	Revision: *	
Print Time: 11:49:32 AM		Sheet 1 of 12
File Name: SHDN-BSPD-S01-V00-BSPDBoard.SchDoc		



A

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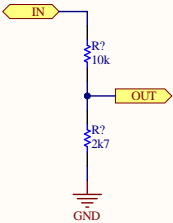
A

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Voltage Divider:
Input: 15V
Output: 3V3



Revision History:

Rev	Date	Description

Sheet Title: *

Project: #####

Size: A3

Number: 03

Version: 00

Revision: *

Drawn By: *

Print Date: 22/07/2020

Print Time: 11:49:32 AM

File Name: SHDN-BSPD-S03-V00-VoltageDivider.SchDoc

QUT Motorsport

O-120, Gardens Point

2 George Street

Brisbane, QLD 4000

Australia

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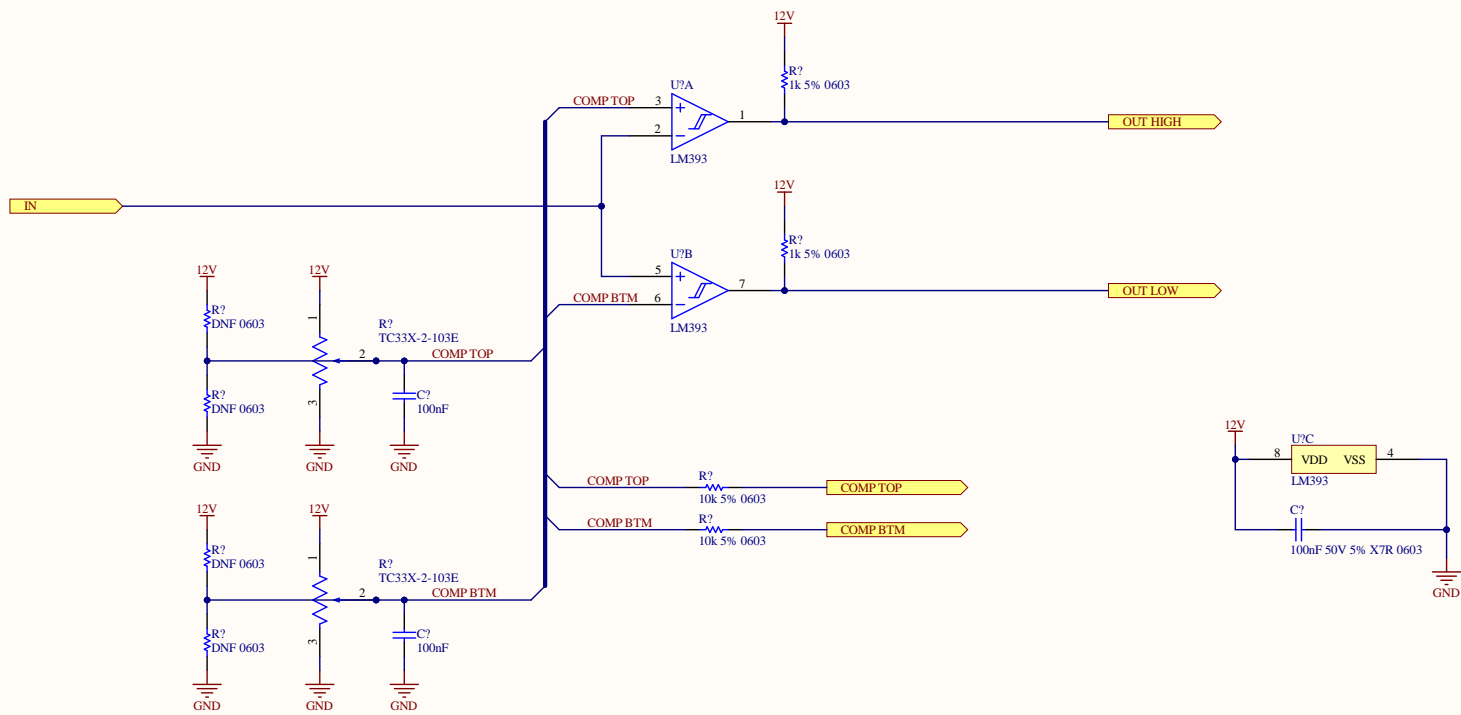
D

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Revision History:

Rev	Date	Description

Sheet Title: *

Project:		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000	
Size: A3	Number: 4	Version:	Revision: *
Drawn By: *		Sheet 4 of 12	Australia
Print Date: 22/07/2020		Print Time: 11:49:32 AM	
File Name: SHDN-BSPD-S04-V00-BSPDW		WindowComparator.SchDoc	



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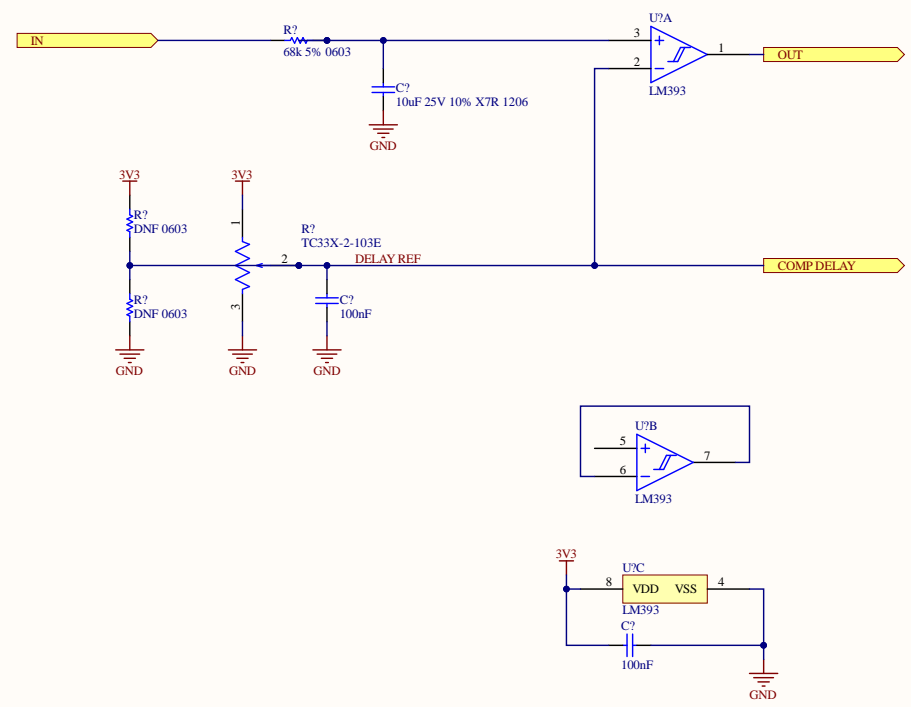
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RC Charging Circuit:
50% Charge Voltage Rise at 500ms (to compare at 2V5)
 $500\text{ms} = 0.7T = 0.7 * R * C$
 $C = 10\mu\text{F} = 0.01\text{F}$
 $\Rightarrow R = 71\text{k}\Omega$



Revision History:

Rev	Date	Description

Sheet Title: *

Project:

Size: A3

Drawn By: *

Print Date: 22/07/2020

Number: 5

Version: *

Revision: *

Print Time: 11:49:32 AM

QUT Motorsport

O-120, Gardens Point

2 George Street

Brisbane, QLD 4000

Australia

File Name: SHDN-BSPD-S05-V00-BSPD

Delay.SchDoc

QUT

MOTORSPORT

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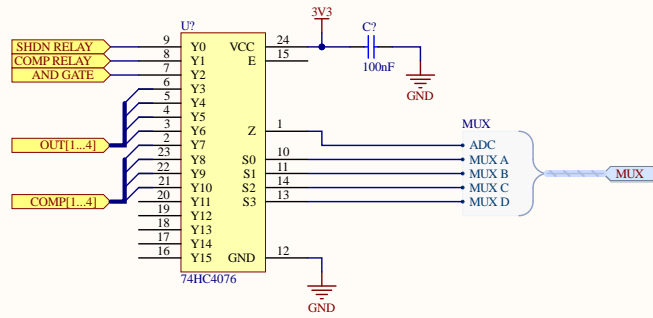
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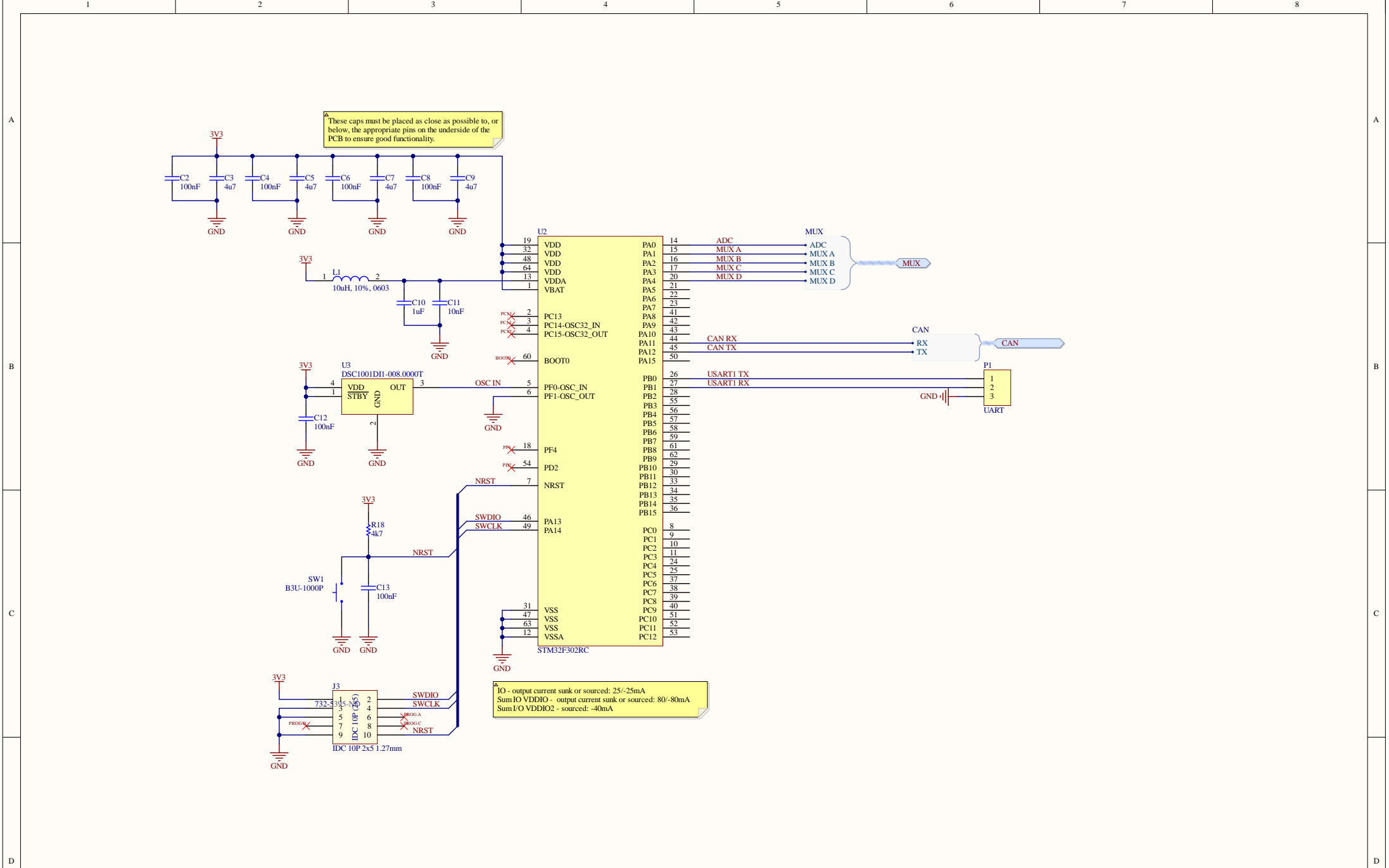
Revision History:

Rev	Date	Description

Sheet Title: *

Project:		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000	
Size: A3	Number: 6	Version:	Revision: *
Drawn By: *		Sheet 6 of 12 Australia	
Print Date: 22/07/2020		Print Time: 11:49:32 AM	
File Name: SHDN-BSPD-S06-V00-BSPDSense.SchDoc			



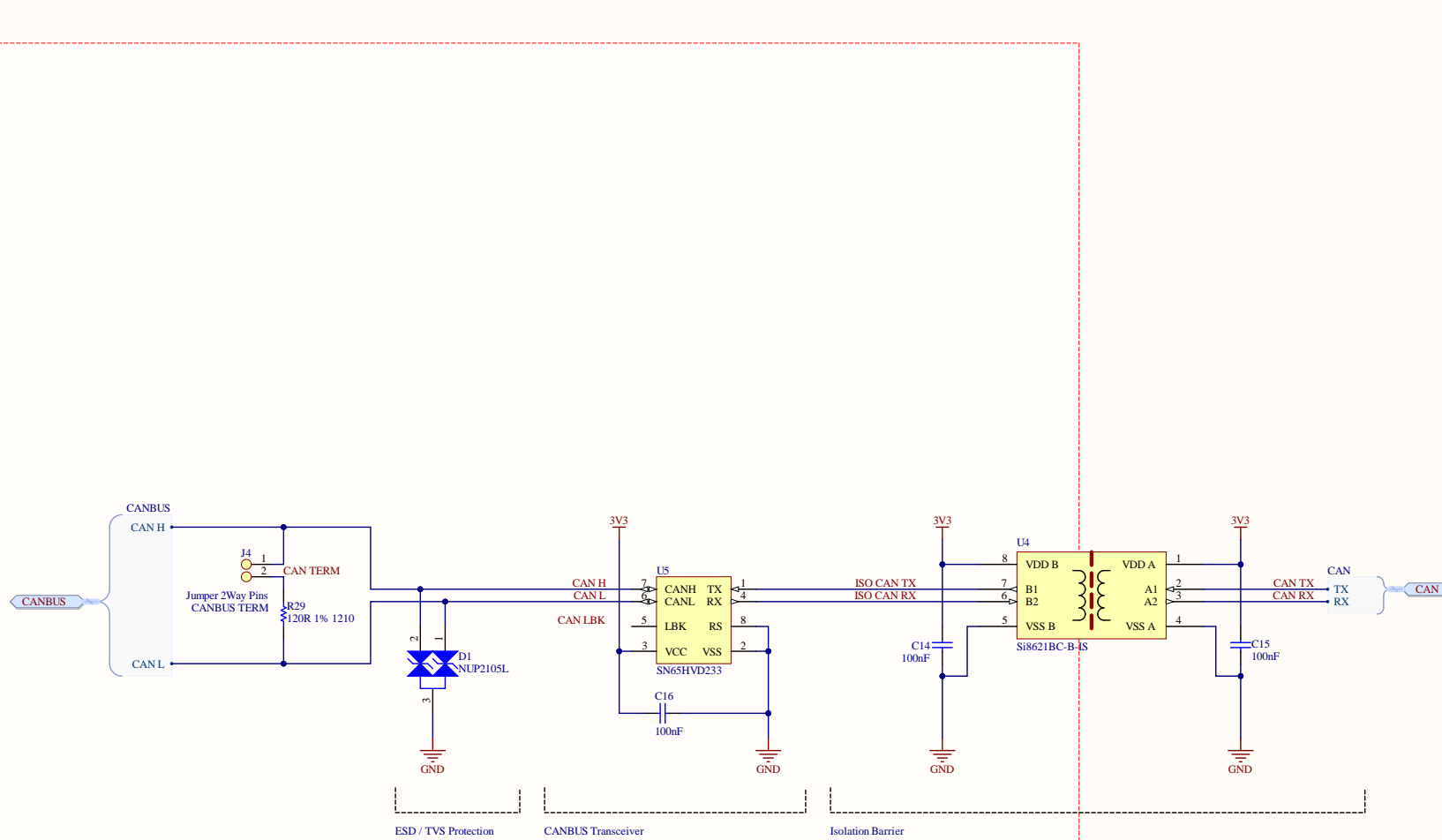


Revision History:

Rev	Date	Description

Sheet Title: Microcontroller		
Project: Shutdown Board 2020		
Size: A3	Number: 7	Version: 01
Drawn By: Jonn Dillon	Revision: 01	Sheet 7 of 12
Print Date: 22/07/2020	Print Time: 11:49:33 AM	File Name: SHDN-BSFD-S07-V00-Microcontroller.SchDoc

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



Revision History:

Rev	Date	Description

Sheet Title: **Isolated CANBUS @ 3V3**

Project: **Battery Managment System 2020**

Size: A3 Number: **8**

Drawn By: Jonn Dillon

Print Date: 22/07/2020 Print Time: 11:49:33 AM

Version: **01**

Revision: **01**

Sheet **8** of **12**

File Name: SHDN-BSPD-S08-V00-IsolatedCAN.SchDoc

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



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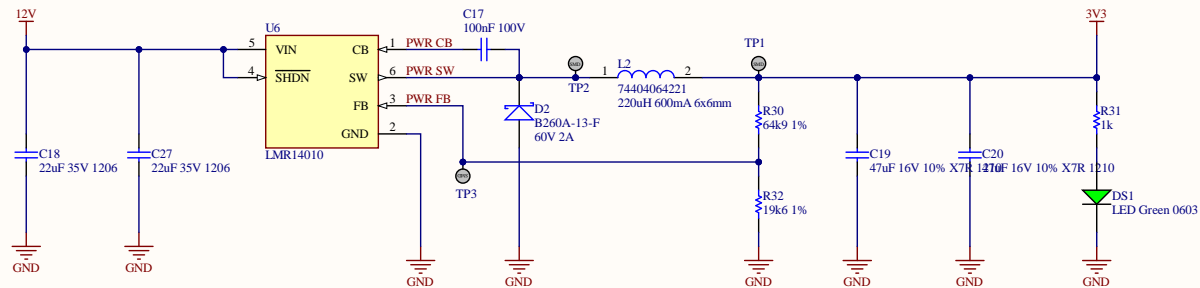
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Revision History:

Rev	Date	Description

Sheet Title: **Power Supply (20-40V to 3v3 @ 0.1-0.6A)**

Project: **Battery Management System 2020**

Size: A3 Number: **9**

Drawn By: Jonn Dillon

Print Date: 22/07/2020 Print Time: 11:49:33 AM

Version: **01**

Revision: **01**

Sheet **9** of **12**

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



File Name: SHDN-BSPD-S09-V00-PSU.SchDoc

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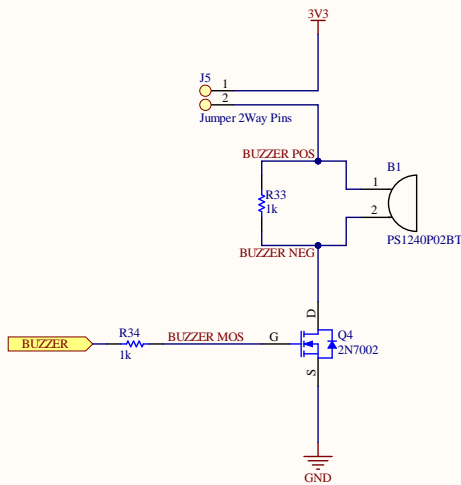
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Revision History:		
Rev	Date	Description

Sheet Title: *

Project:		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia	
Size: A3	Number: 10	Version:	*
Drawn By: *		Revision:	*
Print Date: 22/07/2020		Sheet 10 of 12	File Name: SHDN-BSPD-S10-V00-Buzzer.SchDoc

Revision History:

[illegible]

Sheet Title: *

	Project:
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Size: A3

A3	Number: 11
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Drawn By:	
Printed By:	

By: *

Version:	
Revision:	*

Sheet 11 of 1

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



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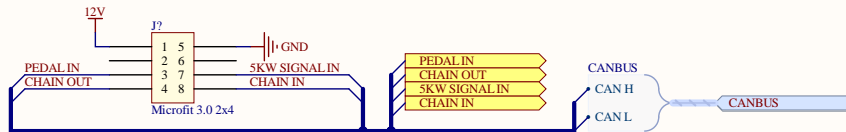
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Revision History:

Rev	Date	Description

Sheet Title: *			QUT Motorsport	
Project:			O-120, Gardens Point	
Size: A3			2 George Street	
Number: 12			Brisbane, QLD 4000	
Version:			Revision: *	
Drawn By: *			Sheet 12 of 12	
Print Date: 22/07/2020			Australia	
Print Time: 11:49:34 AM			File Name: SHDN-BSPD-S12-V00-Connectivity.SchDoc	

