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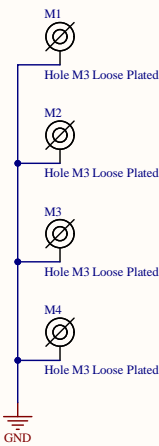
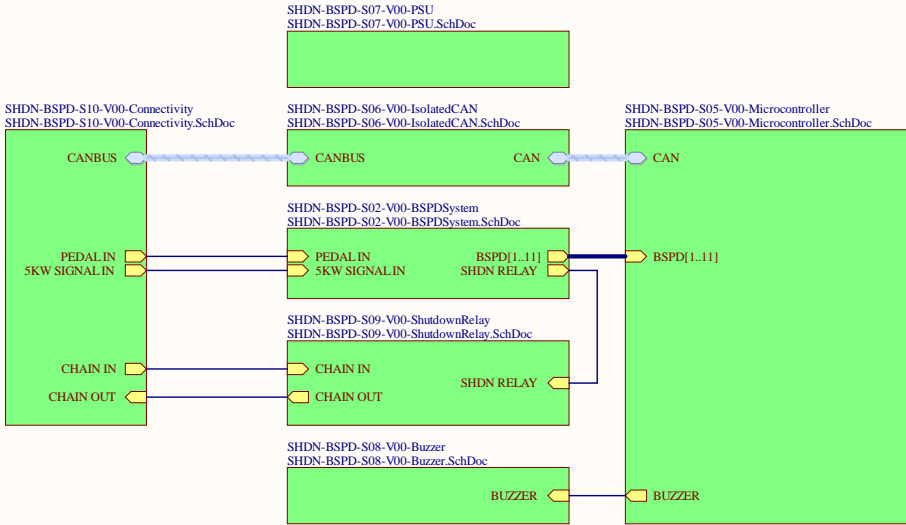
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Revision History:		
Rev	Date	Description

Sheet Title: Brake System Plausability Device - BSPD		
Project:		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3	Number: 1	Version: 01
Drawn By: Joann Dillon		Sheet 1 of 10
Print Date: 25/07/2020 Print Time: 9:38:51 PM		File Name: SHDN-BSPD-S01-V00-BSPDBoard.SchDoc

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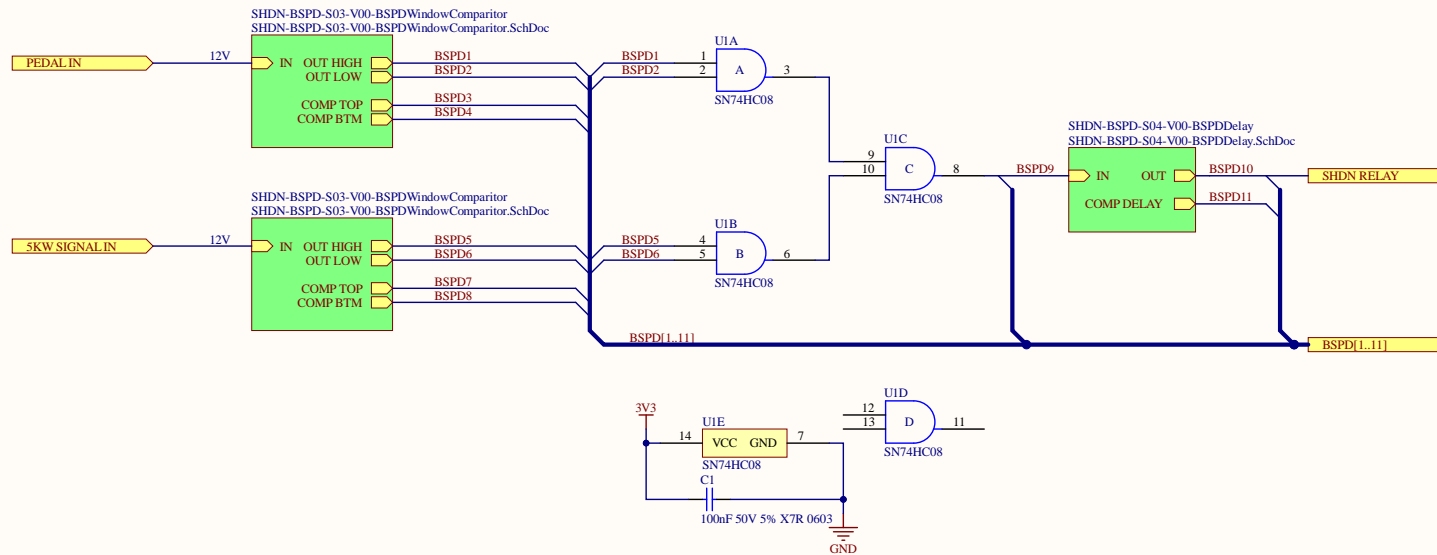
D

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Revision History:

Rev	Date	Description

Sheet Title: **BSPD System**

Project:		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia	
Size: A3	Number: 2	Version:	Revision: 01
Drawn By: Joann Dillon		Sheet 2 of 10	
Print Date: 25/07/2020		Print Time: 9:38:51 PM	
File Name: SHDN-BSPD-S02-V00-BSPDSystem.SchDoc			



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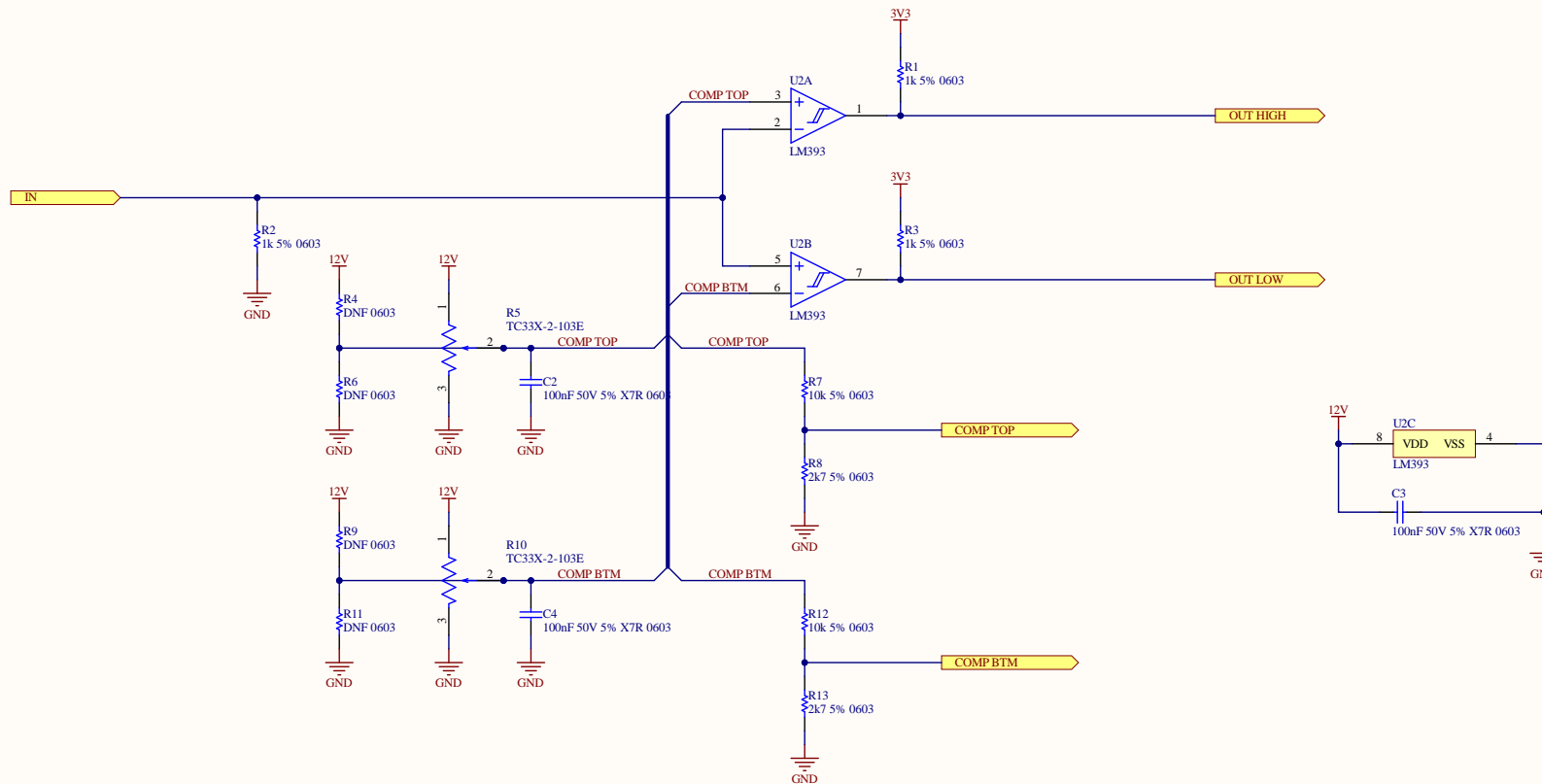
D

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Revision History:

Rev Date Description

Sheet Title: **Window Comparitor**

Project:

Size: A3

Number: **3**

Drawn By: Jann Dillon

Print Date: 25/07/2020 Print Time: 9:38:51 PM

Version:

Revision: **01**Sheet **3** of **10**

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

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



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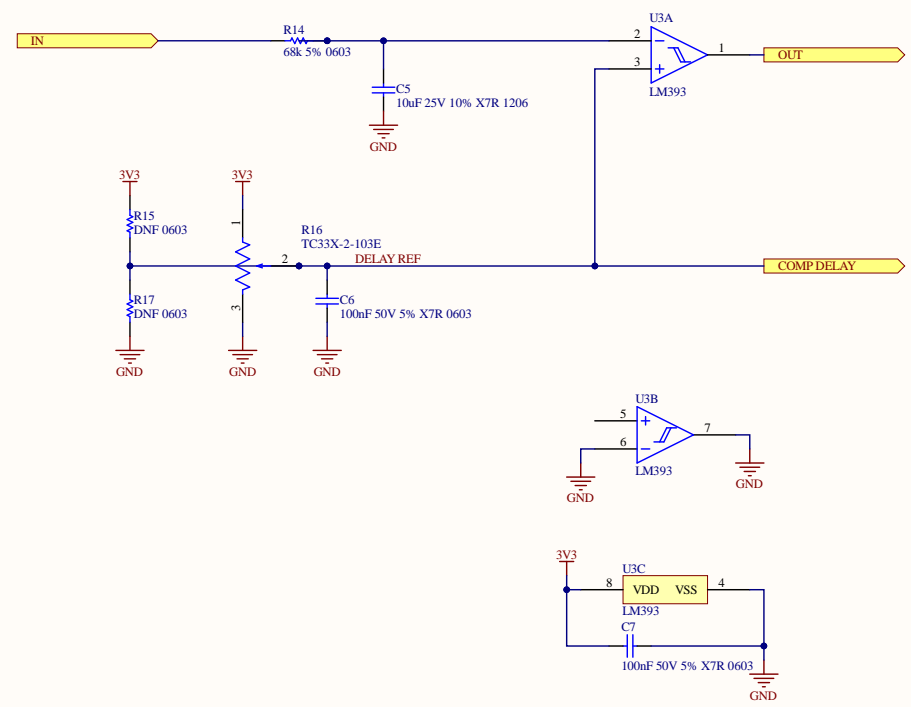
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RC Charging Circuit:
50% Charge Voltage Rise at 500ms (to compare at 2V5)
 $500\text{ms} = 0.7T = 0.7 * R * C$
 $C = 10\text{nF} = 0.01\text{F}$
 $\gg R = 71\text{k}\Omega$



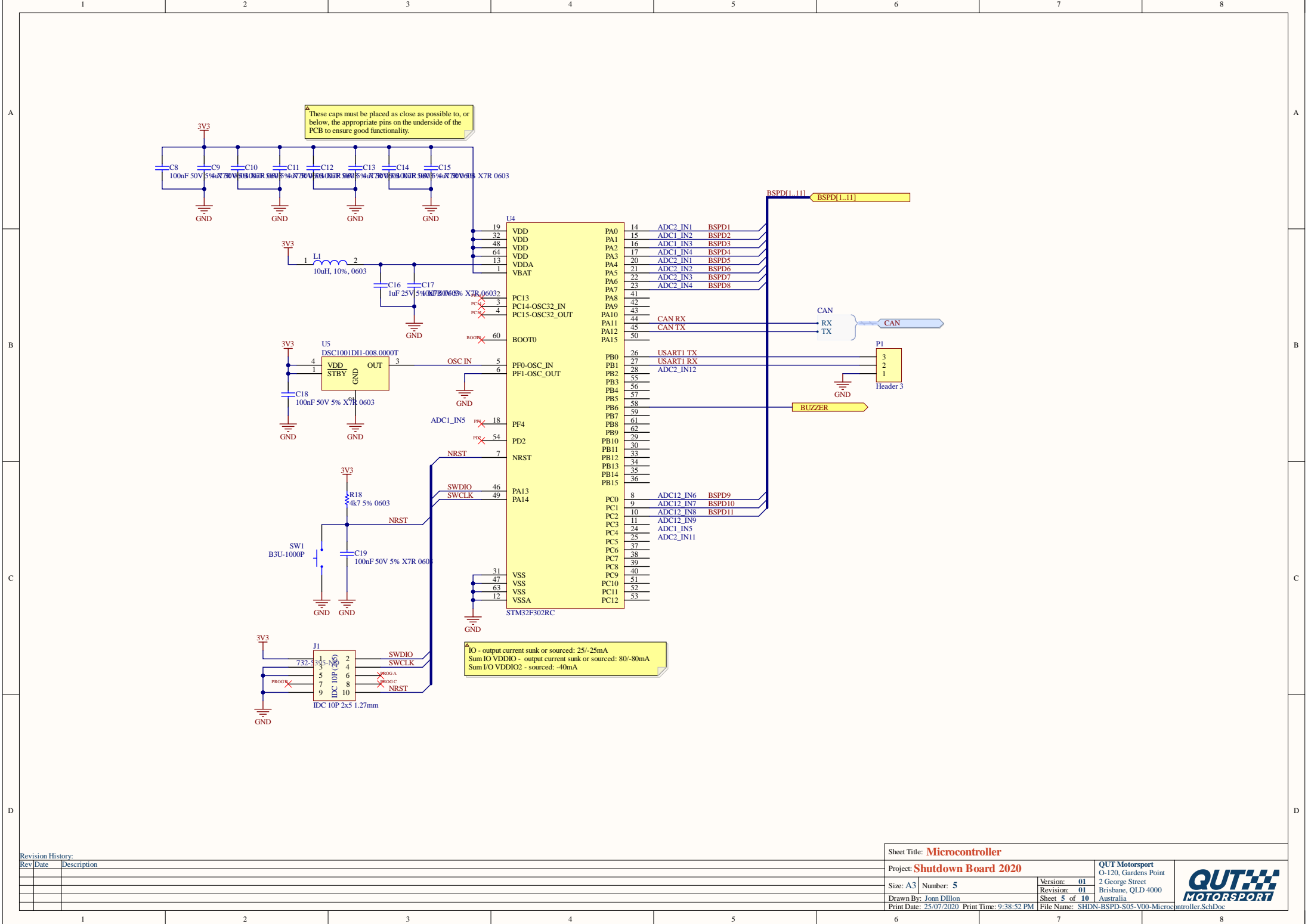
Revision History:

Rev	Date	Description

Sheet Title: **RC Charging Delay**

Project:		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia	
Size: A3	Number: 4	Version:	Revision: 01
Drawn By: Joann Dillon		Sheet 4 of 10	
Print Date: 25/07/2020		File Name: SHDN-BSPD-S04-V00-BSPDelay.SchDoc	
Print Time: 9:38:52 PM			





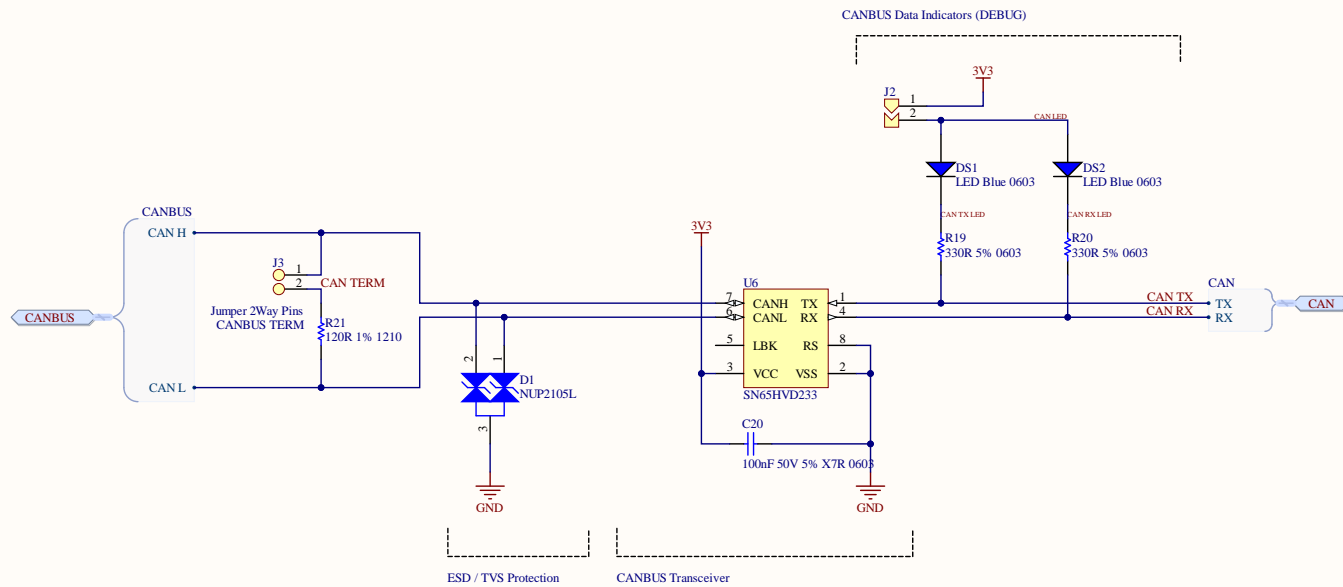
Revision History:

Rev	Date	Description

Sheet Title: Microcontroller		
Project: Shutdown Board 2020		
Size: A3	Number: 5	Version: 01
Drawn By: Joan Dillon	Revision: 01	Sheet 5 of 10
Print Date: 25/07/2020	Print Time: 9:38:52 PM	File Name: SHDN-BSPD-S05-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: **6**

Drawn By: Joann Dillon

Print Date: 25/07/2020 Print Time: 9:38:52 PM

Version: **01**

Revision: **01**

Sheet **6** of **10**

File Name: SHDN-BSPD-S06-V00-IsolatedCAN.SchDoc

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Australia



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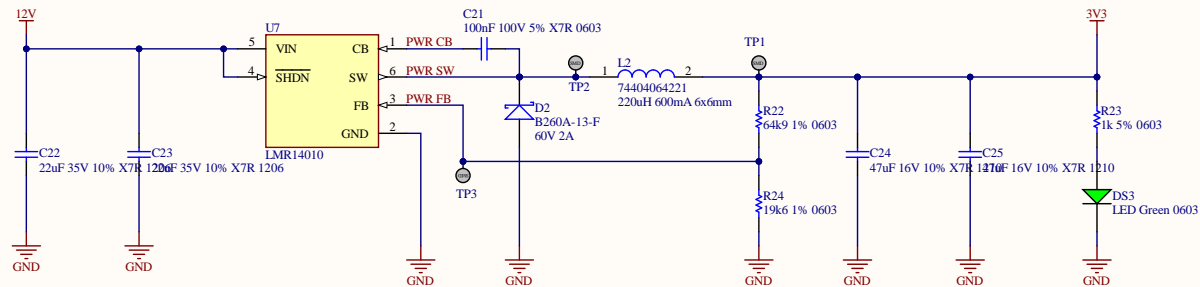
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Revision History:

Rev	Date	Description

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

Project: **Battery Management System 2020**

Size: A3

Number: **7**

Drawn By: **Joan Dillon**

Print Date: **25/07/2020** Print Time: **9:38:53 PM**

Version: **01**

Revision: **01**

Sheet **7** of **10**

File Name: **SHDN-BSFD-S07-V00-PSU.SchDoc**

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



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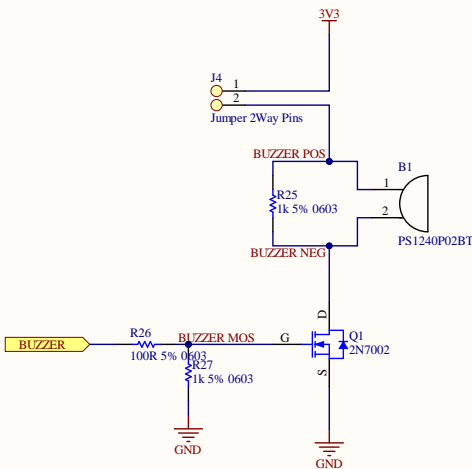
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Revision History:

Rev	Date	Description

Sheet Title: **Buzzer**

Project:

Size: A3

Number: **8**

Drawn By: John Dillon

Print Date: 25/07/2020 Print Time: 9:38:53 PM

Version:

Revision: **01**

Sheet **8** of **10**


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

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



Revision History:

[illegible]Sheet Title: **8 Pin Connector**

Project:		QUT Motorsport		
Size: A3 Number: 10		O-120, Gardens Point		
Version:		2 George Street		
Revision: 01		Brisbane, QLD 4000		
Sheet 10 of 10		Australia		
Drawn By: Jonn Dillon		File Name: SHDN-BSPD-S10-V00-ConnectivitySchDoc		
Print Date: 25/07/2020 Print Time: 9:38:53 PM				



