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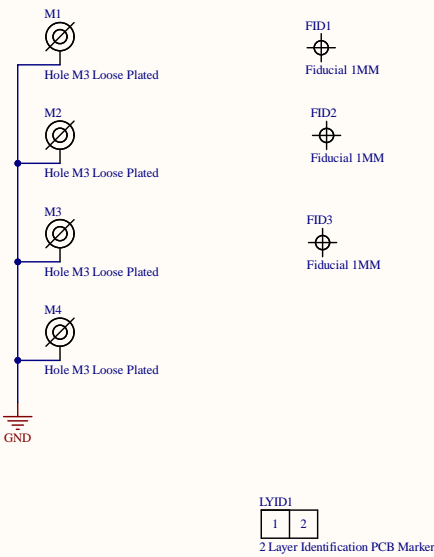
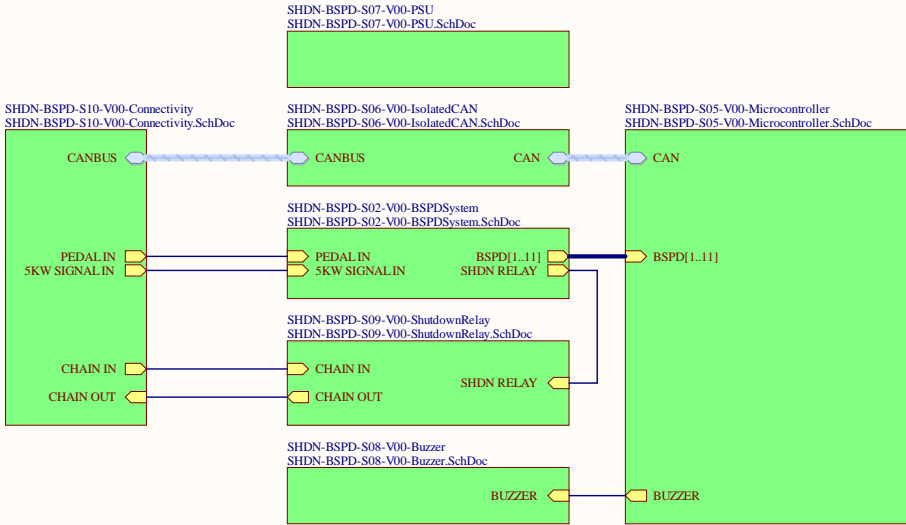
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Revision History:

Rev	Date	Description

Sheet Title: <b>Brake System Plausability Device - BSPD</b>		
Project:		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3	Number: <b>1</b>	Version: <b>01</b>
Drawn By: Joann Dillon		Sheet <b>1</b> of <b>10</b>
Print Date: 25/07/2020		File Name: SHDN-BSPD-S01-V00-BSPDBoard.SchDoc
Print Time: 2:04:52 AM		



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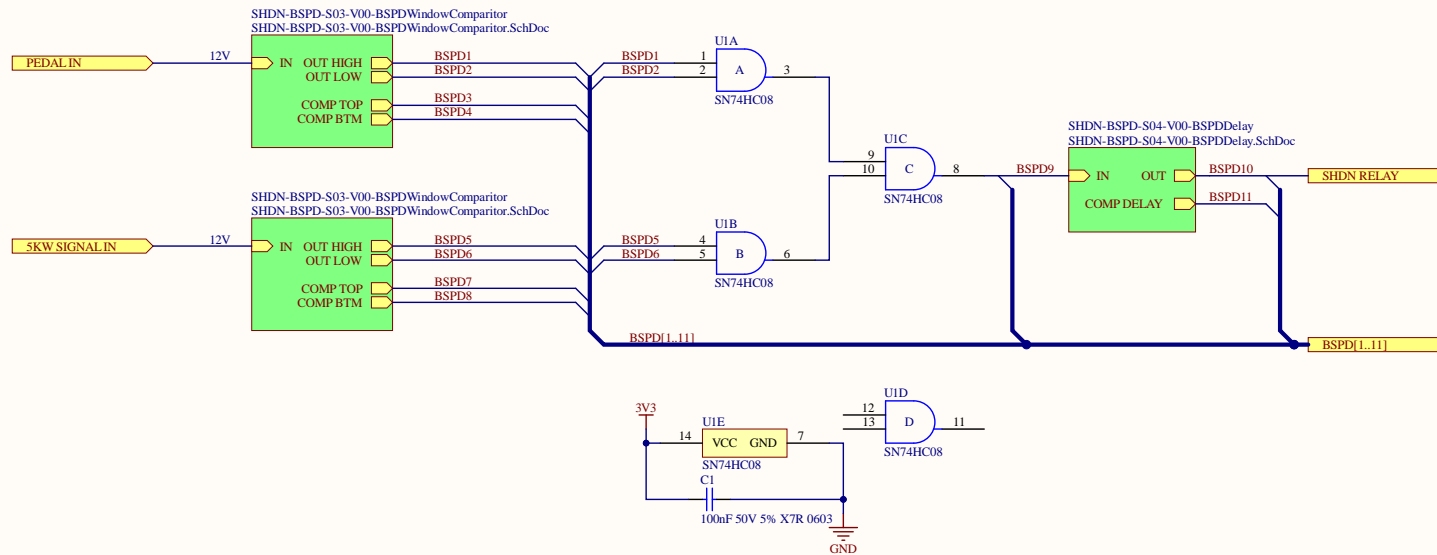
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Revision History:

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: 2:04:52 AM	
File Name: SHDN-BSPD-S02-V00-BSPDSystem.SchDoc			



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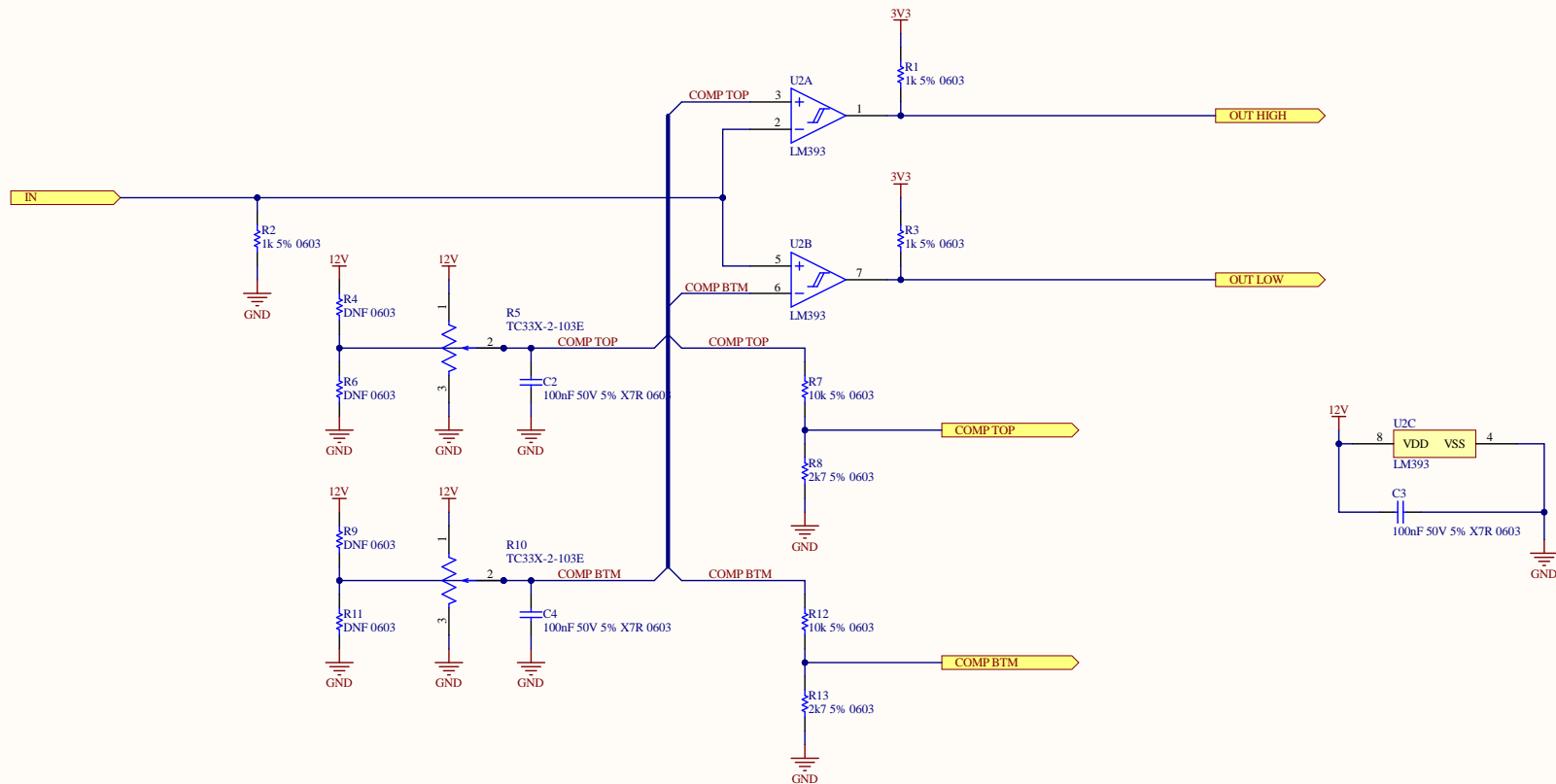
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Revision History:

Rev	Date	Description

Sheet Title: **Window Comparitor**

Project:		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia	
Size: A3	Number: <b>3</b>	Version:	Revision: <b>01</b>
Drawn By: Jann Dillon		Sheet <b>3</b> of <b>10</b>	
Print Date: 25/07/2020 Print Time: 2:04:52 AM		File Name: SHDN-BSPD-S03-V00-BSPDWWindowComparator.SchDoc	



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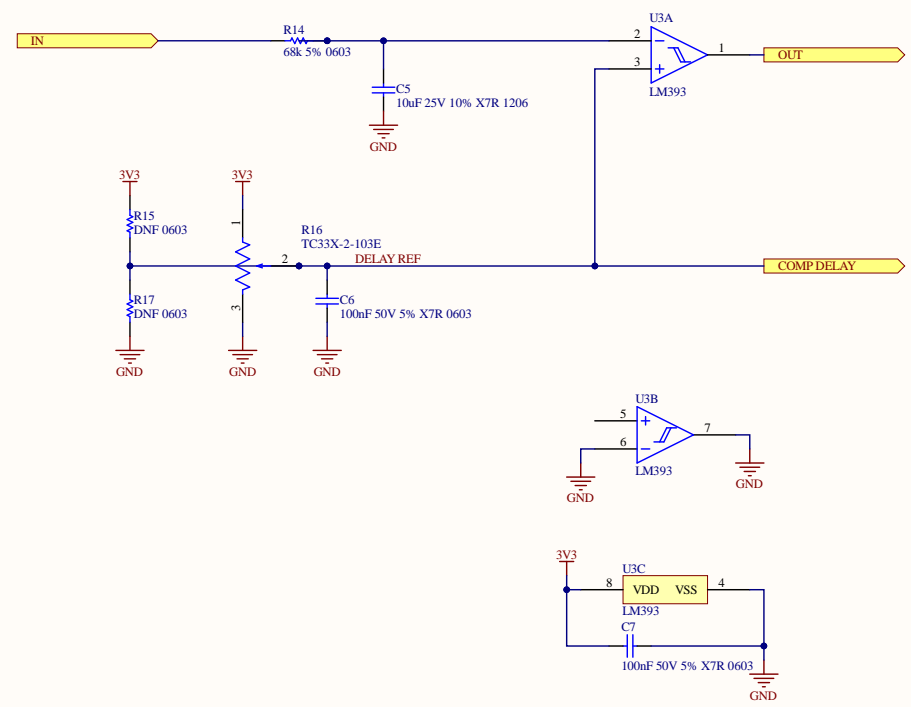
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RC Charging Circuit:  
50% Charge Voltage Rise at 500ms (to compare at 2V5)  
 $500\text{ms} = 0.7T = 0.7 * R * C$   
 $C = 10\text{nF} = 0.01\text{F}$   
 $\gg R = 71\text{k}\Omega$



Revision History:		
Rev	Date	Description

Sheet Title: <b>RC Charging Delay</b>		
Project:		<b>QUT Motorsport</b> O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3	Number: <b>4</b>	Version: <b>01</b>
Drawn By: Joann Dillon		Sheet <b>4</b> of <b>10</b>
Print Date: 25/07/2020 Print Time: 2:04:52 AM		File Name: SHDN-BSPD-S04-V00-BSPDelay.SchDoc







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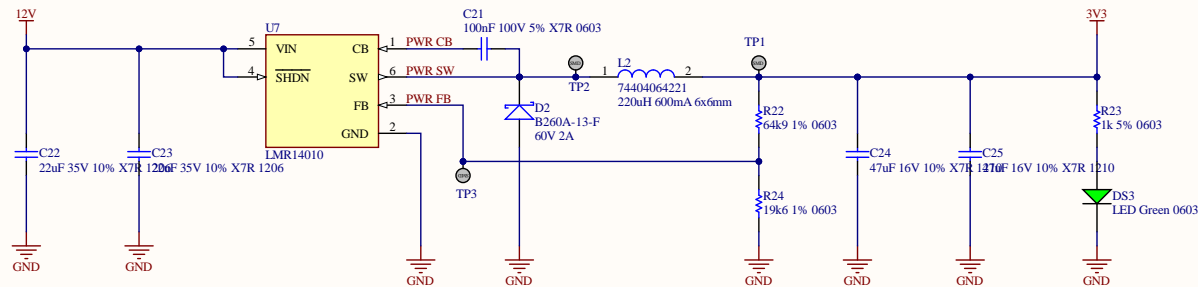
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Revision History:

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: **2:04:53 AM**

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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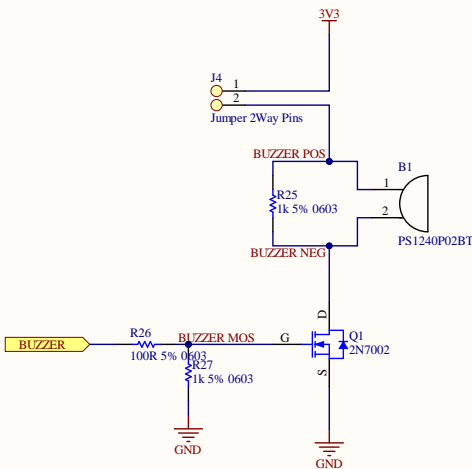
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Revision History:		
Rev	Date	Description


Sheet Title: <b>Buzzer</b>		
Project:		<b>QUT Motorsport</b> O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3	Number: <b>8</b>	Version: <b>01</b>
Drawn By: John Dillon		Sheet <b>8</b> of <b>10</b>
Print Date: 25/07/2020 Print Time: 2:04:53 AM		File Name: SHDN-BSPD-S08-V00-Buzzer.SchDoc





**Revision History:**

[illegible]Sheet Title: **Shutdown Relay**

Project:		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia		
Size: A3	Number: 9	Version:		
Drawn By: Jonn Dillon		Revision: 01		
Print Date: 25/07/2020	Print Time: 2:04:53 AM	Sheet 9 of 10		
		File Name: SHDN-BSPD-S09-V00-ShutdownRelay.SchDoc		



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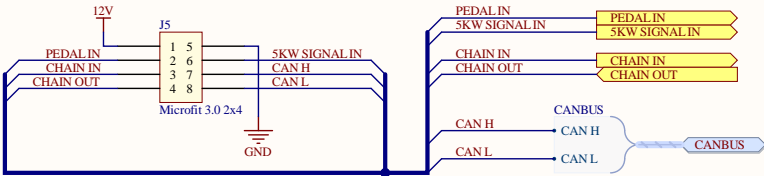
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Revision History:

Rev	Date	Description

Sheet Title: **8 Pin Connector**

Project:		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia	
Size: A3	Number: <b>10</b>	Version:	Revision: <b>01</b>
Drawn By: Jann Dillon		Sheet <b>10</b> of <b>10</b>	
Print Date: 25/07/2020		Print Time: 2:04:53 AM	
File Name: SHDN-BSPD-S10-V00-Connectivity.SchDoc			

