

A

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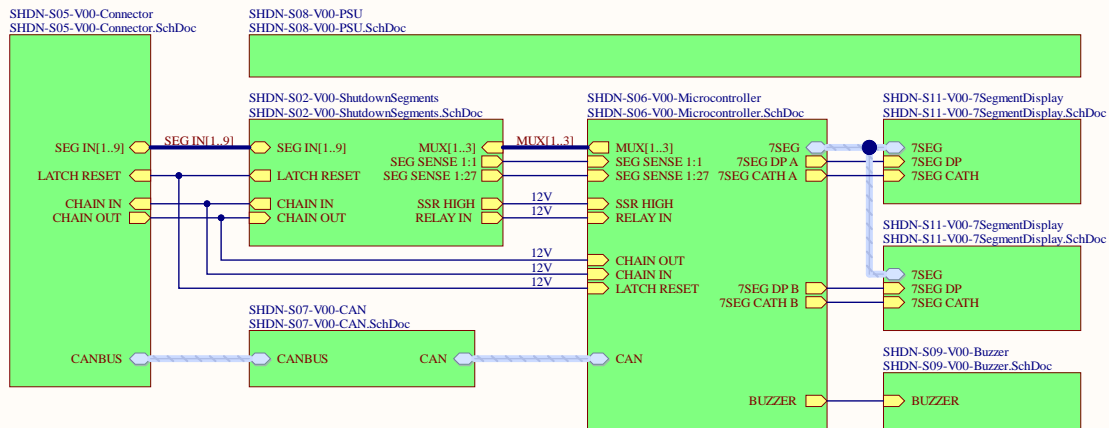
D

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LOGO1



30mm Wide QUTMS Logo

FID1 FID2
Fiducial 1MM Fiducial 1MM

FID3 FID4
Fiducial 1MM Fiducial 1MM

LYID1

1	2
---	---

2 Layer Identification PCB Marker

M1
Hole M3 Tight Unplated


M2
Hole M3 Tight Unplated

M3
Hole M3 Tight Unplated

M4
Hole M3 Tight Unplated

Revision History:

Rev	Date	Description

Sheet Title: Shutdown Board 2020					
Project: Shutdown Board 2020			QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia		
Size: A3	Number: 1	Version: 00	Revision: 00		
Drawn By: Jonn Dillon		Sheet 1 of 11			
Print Date: 24/07/2020 Print Time: 1:54:37 PM		File Name: SHDN-S01-V00-ShutdownBoard.SchDoc			

A

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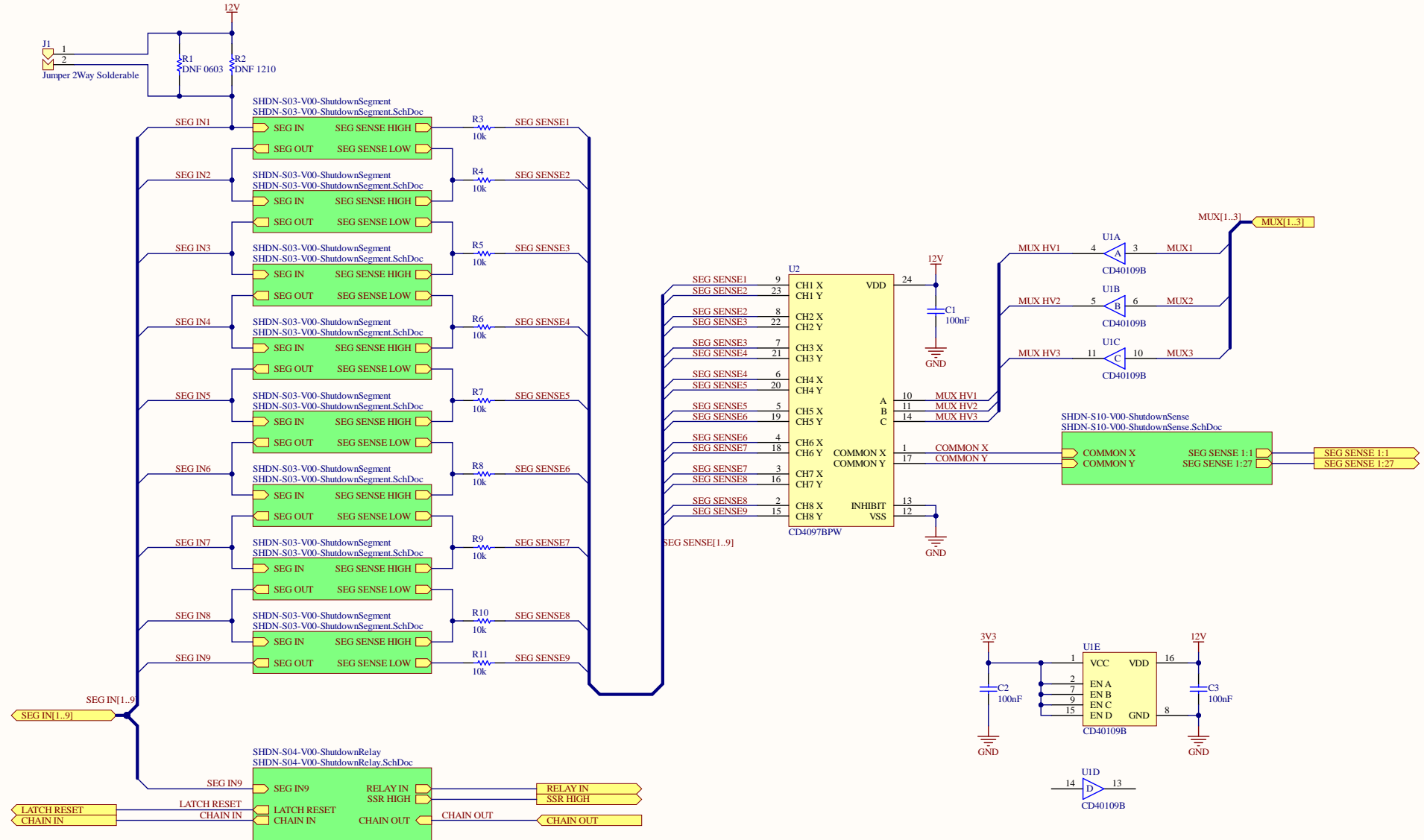
D

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Revision History:

Rev	Date	Description



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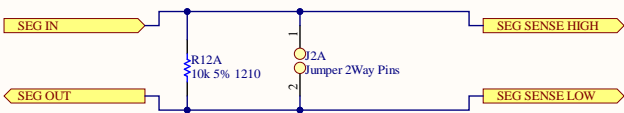
D

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Revision History:

Rev	Date	Description

Sheet Title: Shutdown Segment		
Project: *		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3	Number: 3	
Version: *		
Revision: *		
Drawn By: Jonn Dillon		Sheet 3 of 11
Print Date: 24/07/2020 Print Time: 1:54:37 PM		File Name: SHDN-S03-V00-ShutdownSegment.SchDoc



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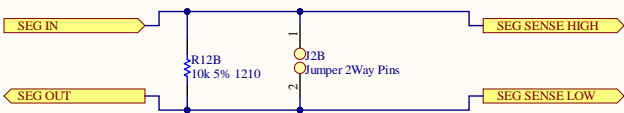
D

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Revision History:

Rev	Date	Description

Sheet Title: Shutdown Segment		
Project: *		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3	Number: 3	
Version: *		
Revision: *		
Drawn By: Jonn Dillon		Sheet 3 of 11
Print Date: 24/07/2020 Print Time: 1:54:37 PM		File Name: SHDN-S03-V00-ShutdownSegment.SchDoc



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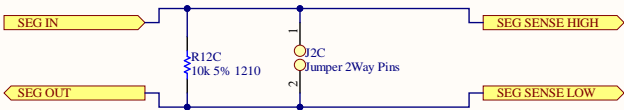
D

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Revision History:

Rev	Date	Description

Sheet Title: Shutdown Segment		
Project: *		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3 Number: 3		
Version: *		
Revision: *		
Drawn By: Jonn Dillon		Sheet 3 of 11
Print Date: 24/07/2020 Print Time: 1:54:37 PM		File Name: SHDN-S03-V00-ShutdownSegment.SchDoc

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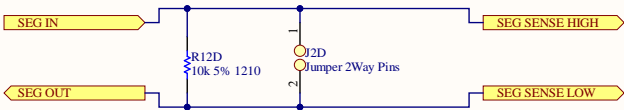
D

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Revision History:

Rev	Date	Description

Sheet Title: Shutdown Segment		
Project: *		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3	Number: 3	
Version: *		
Revision: *		
Drawn By: Jonn Dillon		Sheet 3 of 11
Print Date: 24/07/2020 Print Time: 1:54:37 PM		File Name: SHDN-S03-V00-ShutdownSegment.SchDoc



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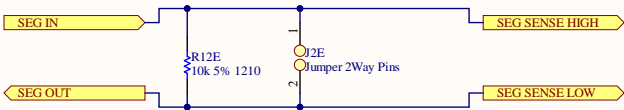
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Revision History:

Rev	Date	Description

Sheet Title: Shutdown Segment		
Project: *		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3	Number: 3	
Version: *		
Revision: *		
Drawn By: Jonn Dillon		Sheet 3 of 11
Print Date: 24/07/2020 Print Time: 1:54:37 PM		File Name: SHDN-S03-V00-ShutdownSegment.SchDoc

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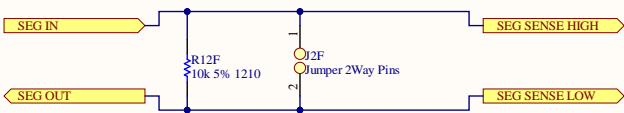
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Revision History:

Rev	Date	Description

Sheet Title: Shutdown Segment		
Project: *		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3	Number: 3	
Version: *		
Revision: *		
Drawn By: Jonn Dillon		Sheet 3 of 11
Print Date: 24/07/2020 Print Time: 1:54:37 PM		File Name: SHDN-S03-V00-ShutdownSegment.SchDoc



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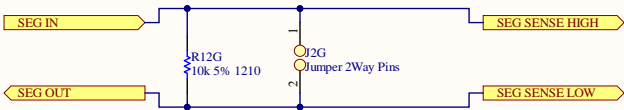
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Revision History:

Rev	Date	Description

Sheet Title: Shutdown Segment		
Project: *		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3	Number: 3	
Version: *		
Revision: *		
Drawn By: Jonn Dillon		Sheet 3 of 11
Print Date: 24/07/2020 Print Time: 1:54:37 PM		File Name: SHDN-S03-V00-ShutdownSegment.SchDoc



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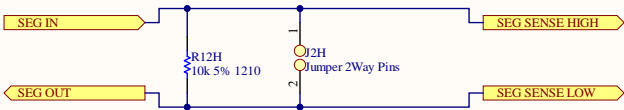
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Revision History:

Rev	Date	Description

Sheet Title: **Shutdown Segment**

Project: *

Size: A3

Drawn By: Jonn Dillon

Print Date: 24/07/2020

Number: 3

Version: *

Revision: *

Sheet 3 of 11

Print Time: 1:54:37 PM

QUT Motorsport

O-120, Gardens Point

2 George Street

Brisbane, QLD 4000

Australia

QUT

MOTORSPORT

File Name: SHDN-S03-V00-ShutdownSegment.SchDoc

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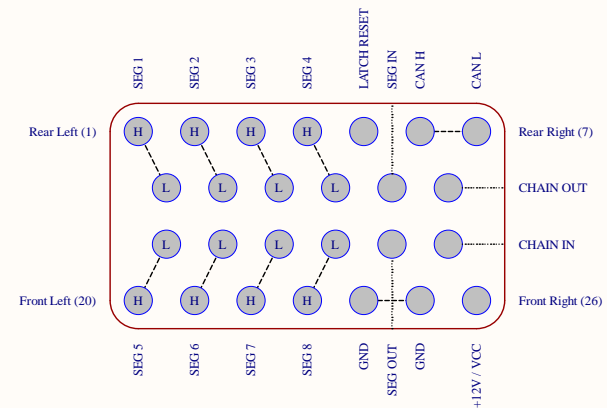
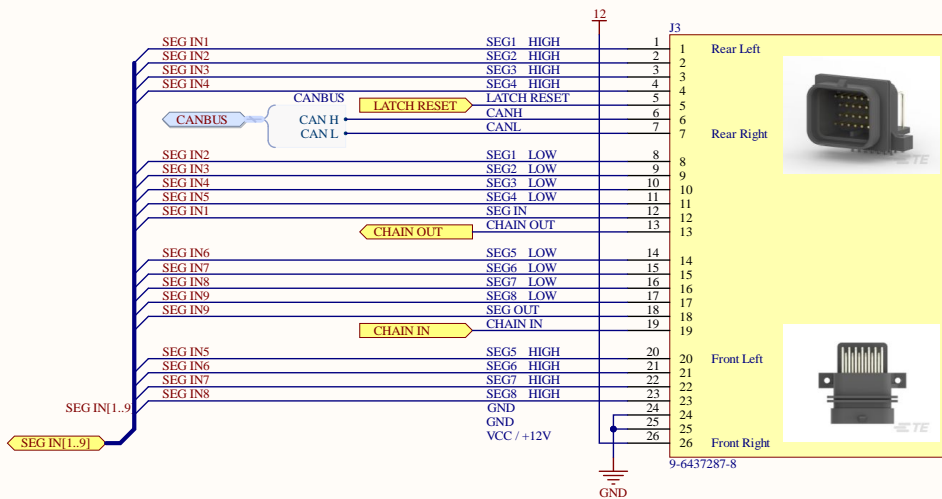
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Revision History:

Rev	Date	Description

Sheet Title: Shutdown Board Connector			QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia	
Project: Shutdown Board 2020	Size: A3	Number: 4	Version: *	Revision: *
Drawn By: Jonn Dillon	Print Date: 24/07/2020	Print Time: 1:54:37 PM	Sheet 4 of 11	File Name: SHDN-S05-V00-Connector.SchDoc



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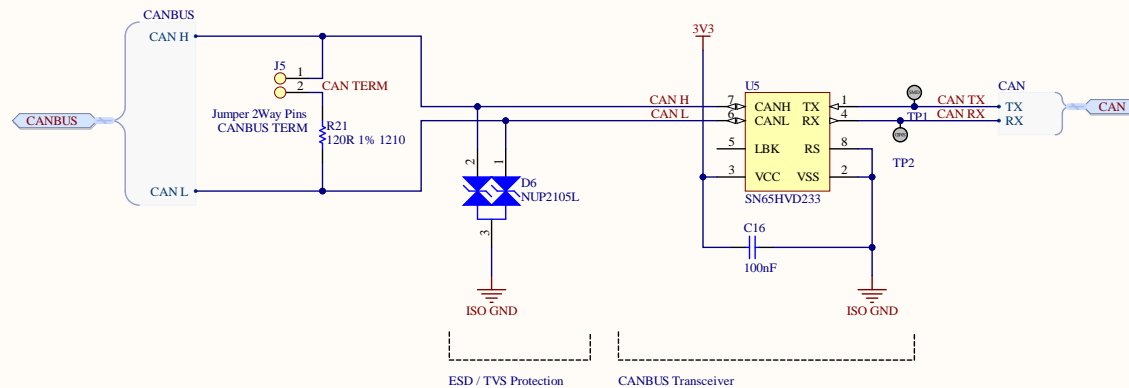
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Revision History:

Rev	Date	Description

Sheet Title: **CANBUS Interface**

Project: **Shutdown Board 2020**

Size: A3 Number: **6**

Drawn By: Jonn Dillon

Print Date: 24/07/2020 Print Time: 1:54:37 PM

Version: **01**

Revision: **01**

Sheet **6** of **11**

File Name: SHDN-S07-V00-CAN.SchDoc

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



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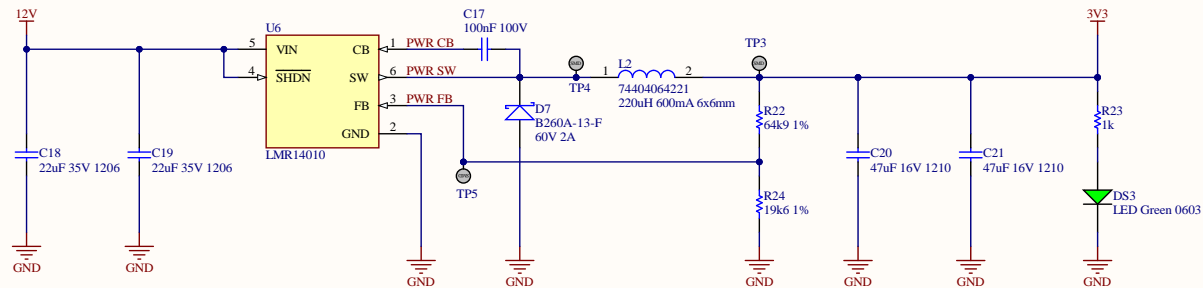
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Revision History:

Rev	Date	Description

Sheet Title: **Power Supply (9-25V to 3v3 @ 0.1-0.3A)**

Project: **Shutdown Board 2020**

Size: A3 Number: **7**

Drawn By: Jonn Dillon

Print Date: 24/07/2020 Print Time: 1:54:37 PM

Version: **01**

Revision: **01**

Sheet **7** of **11**

File Name: SHDN-S08-V00-PSU.SchDoc

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



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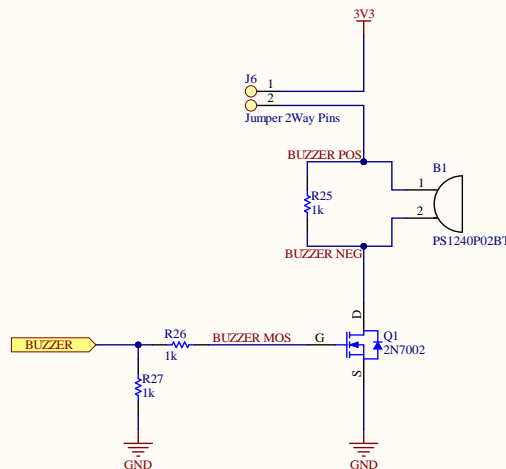
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Revision History:

Rev	Date	Description

Sheet Title: Alarm Buzzer (4kHz)		
Project: Shutdown Board 2020		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3	Number: 8	Version: * Revision: * Sheet 8 of 11
Drawn By: Jonn Dillon		File Name: SHDN-S09-V00-Buzzer.SchDoc
Print Date: 24/07/2020 Print Time: 1:54:38 PM		



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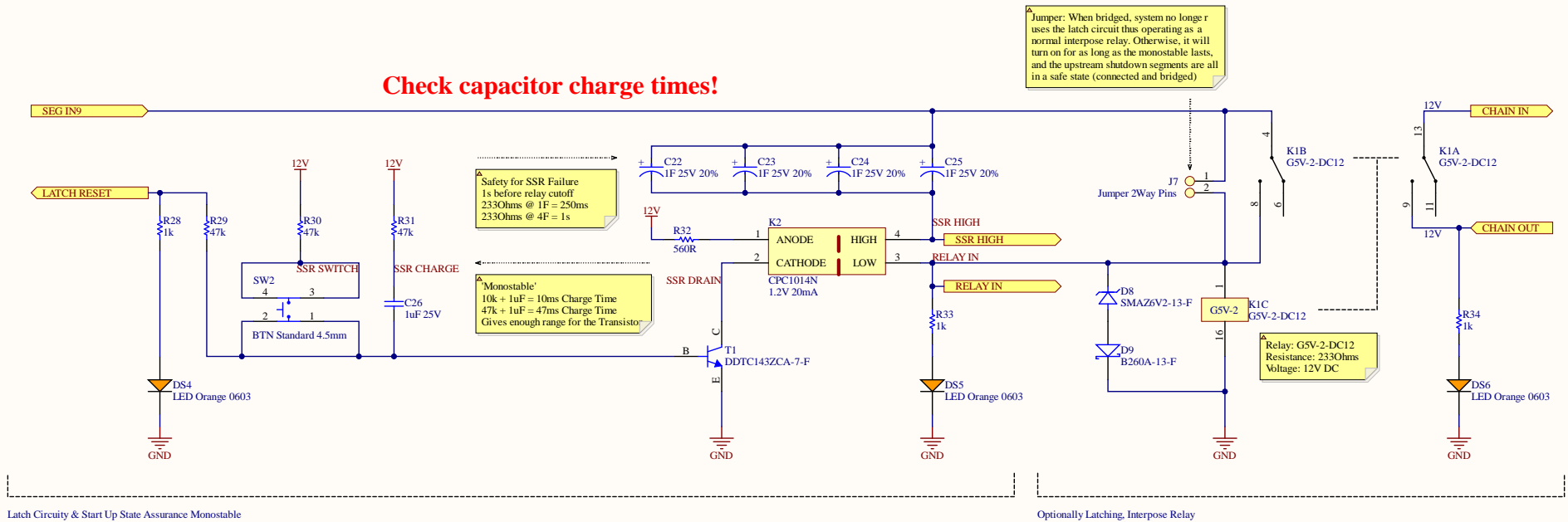
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Revision History:

Rev	Date	Description

Sheet Title: **Shutdown Loop Termination & Latching Relay**

Project: **Shutdown Board 2020**

Size: A3 Number: **9**

Drawn By: Jonn Dillon

Print Date: 24/07/2020 Print Time: 1:54:38 PM

Version: *

Revision: *

Sheet 9 of 11

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



File Name: SHDN-S04-V00-ShutdownRelay.SchDoc

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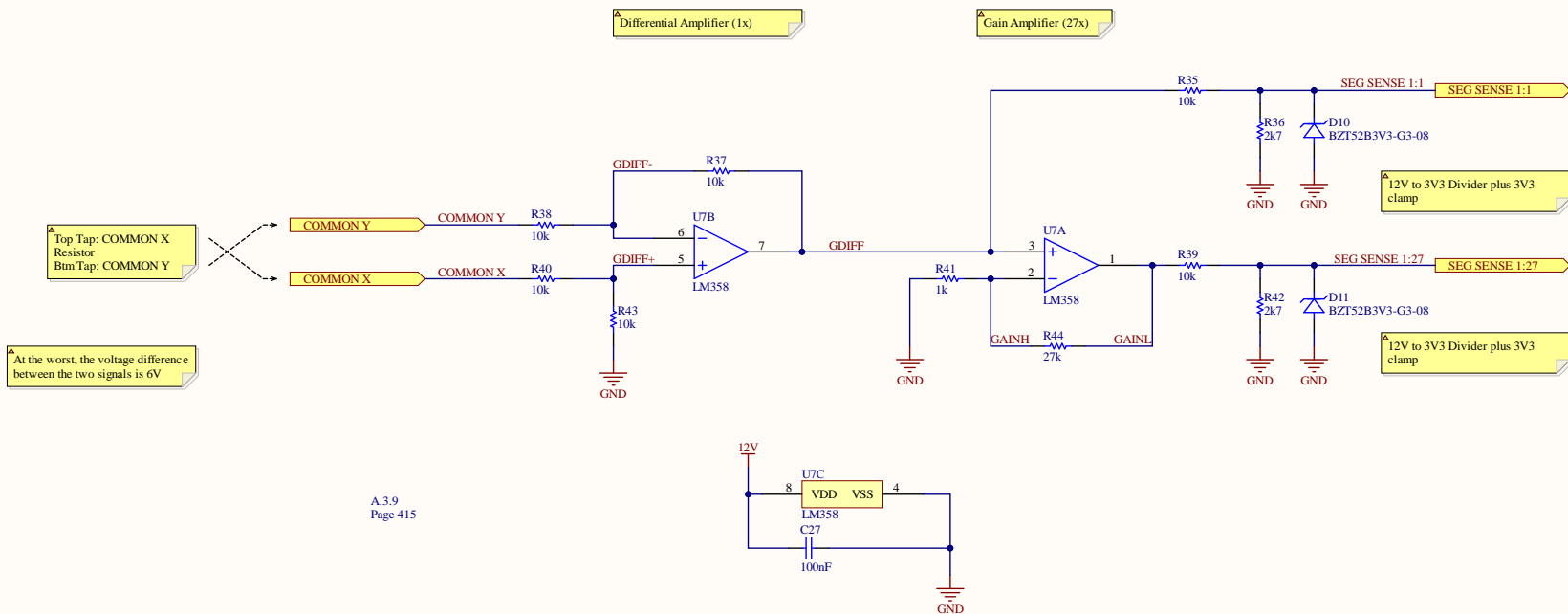
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Revision History:

Rev	Date	Description

Sheet Title: **Shutdown Loop Sensing & Amplification**

Project: **Shutdown Board 2020**

Size: A3

Number: **10**

Version: *****

Revision: *****

Drawn By: **Jonn Dillon**

Print Date: **24/07/2020** Print Time: **1:54:38 PM**

Sheet **10** of **11**

File Name: **SHDN-S10-V00-ShutdownSense.SchDoc**

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



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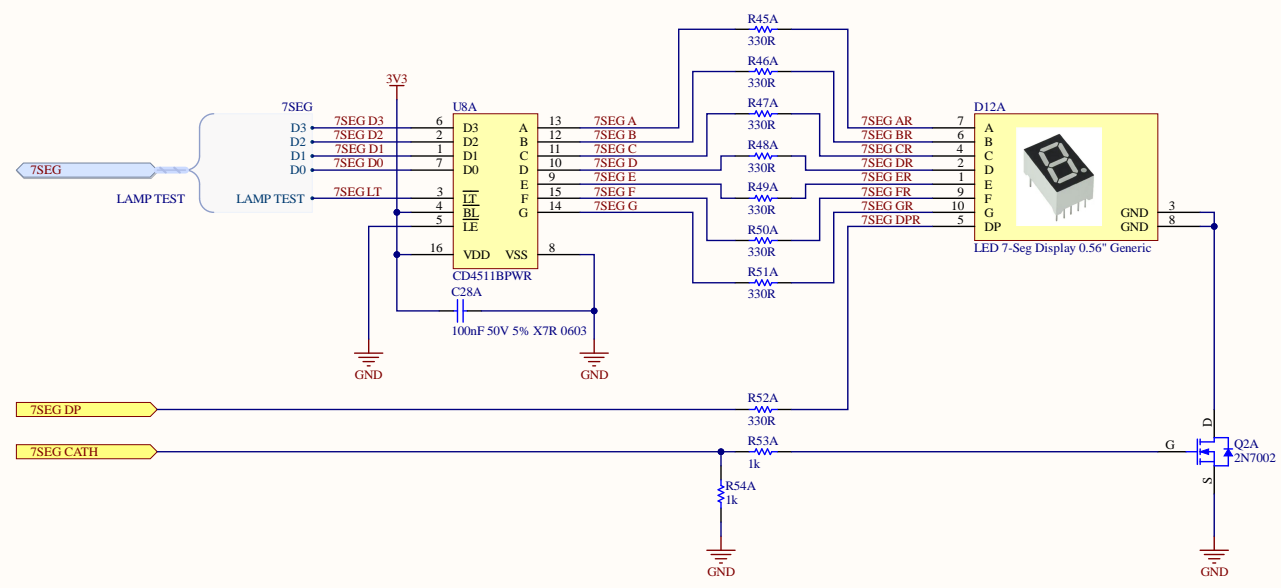
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Revision History:

Rev	Date	Description

Sheet Title: **7 Segment Display (0.56")**

Project:		QUT Motorsport	
Size: A3	Number: 11	O-120, Gardens Point	
Drawn By: Jonn Dillon		Revision: *	2 George Street
Print Date: 24/07/2020 Print Time: 1:54:38 PM		Sheet 11 of 11	Brisbane, QLD 4000
File Name: SHDN-S11-V00-7SegmentDisplay.SchDoc		Australia	



