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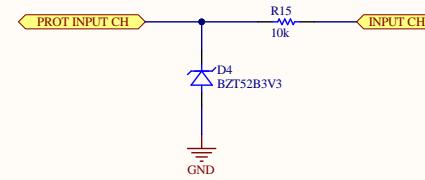
B

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## Revision History:

Rev	Date	Description

Sheet Title: Digital Input Protection

Project: Power Distribution Module

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



Size: A3 Number: ##### Version: 00  
Drawn By: Zoe Goodward Sheet 1 of 1 Print Date: 20/08/2020 Print Time: 1:49:17 PM File Name: PDM-S12-V00-InputProtection.schDoc

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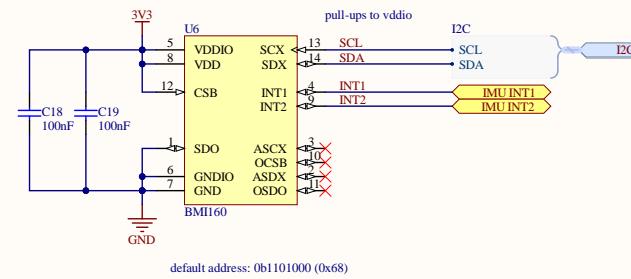
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Sheet Title: <b>IMU</b>			
Project: <b>Power Distribution Module</b>		QUT Motorsport	
Size: A3	Number: #####	Version: 01	O-120, Gardens Point
		Revision: 01	2 George Street
Drawn By: Zoe Goodward		Brisbane, QLD 4000	
		Sheet 1 of 1	Australia
Print Date: 20/08/2020 Print Time: 1:40:18 PM		File Name: PDM-S11-V00.000.IMU-SchDoc	

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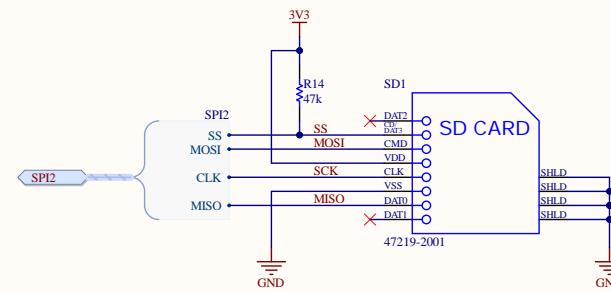
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## Revision History:

Rev	Date	Description

## Sheet Title: SD Card

Project: Power Distribution Module

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



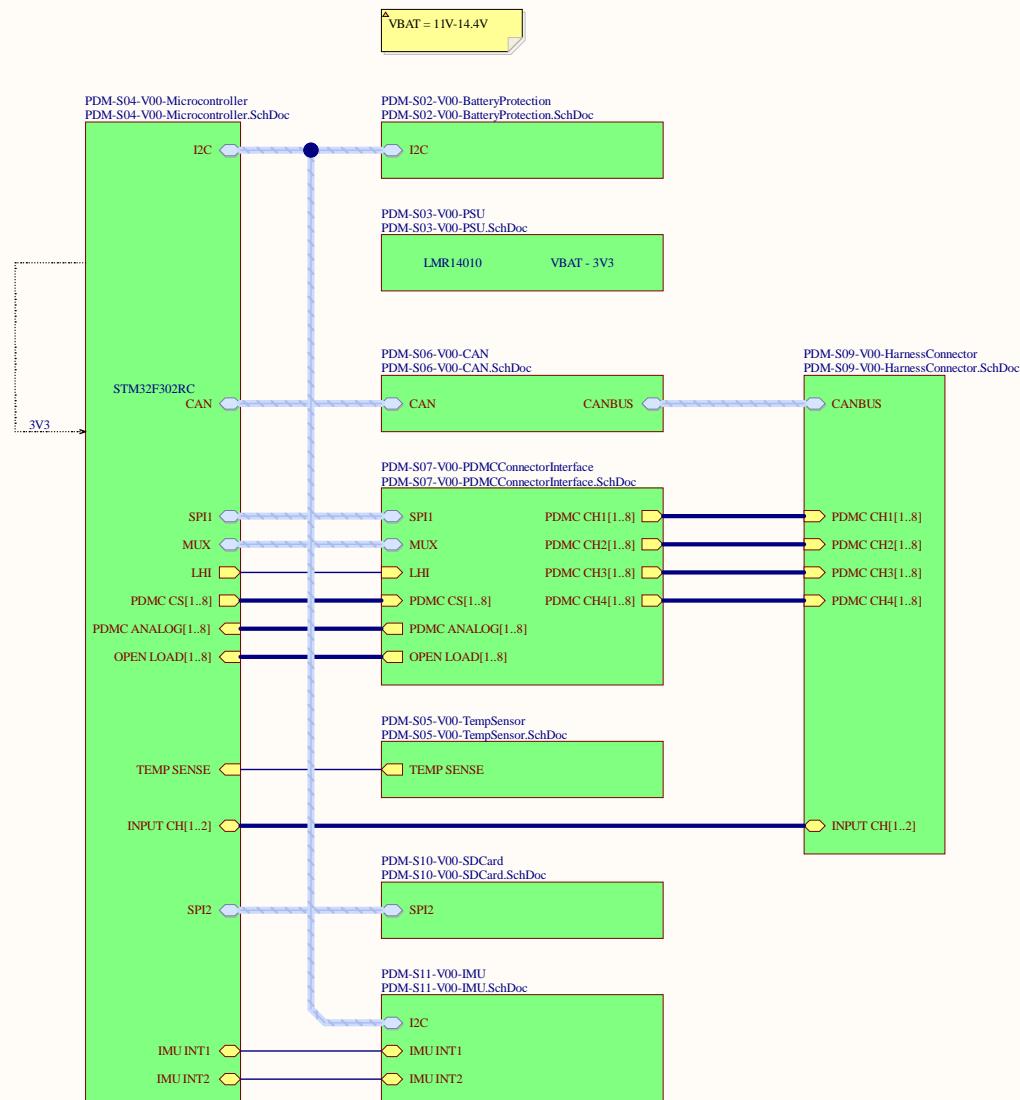
Size: A3 Number: ##### Version: 01

Revision: 01 Drawn By: Zoe Goodward Sheet 1 of 1

Print Date: 20/08/2020 Print Time: 1:49:18 PM File Name: PDM-S10-V00-SDCard.SchDoc

FID1 M1  
Fiducial 1MM Hole M3 Tight Unplated  
FID2 M2  
Fiducial 1MM Hole M3 Tight Unplated  
FID3 M3  
Fiducial 1MM Hole M3 Tight Unplated  
FID4 M4  
Fiducial 1MM Hole M3 Tight Unplated

LYID1  
1 2  
2 Layer Identification PCB Marker



#### Revision History:

Rev	Date	Description

#### Sheet Title: PDM Master

Project: **Power Distribution Module**

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



Size: **A3** Number: **1** Version: **01**  
Revision: **01**  
Drawn By: **Zoe Goodward** Sheet **1** of **9**  
Print Date: **20/08/2020** Print Time: **1:49:18 PM** File Name: **PDM-S01-V00-PowerDistributionModule.SchDoc**

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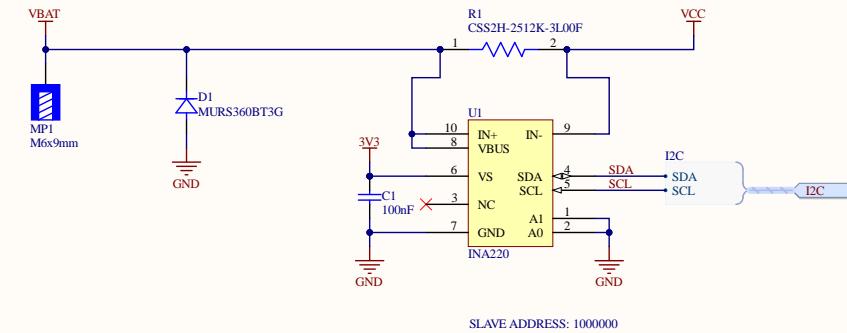
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SLAVE ADDRESS: 1000000

## Revision History:

Rev	Date	Description

Sheet Title: Battery Input Protection and Sensing

Project: Power Distribution Module

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



Print Date: 20/08/2020 Print Time: 1:49:18 PM File Name: PDM-S02-V00-BatteryProtection.SchDoc

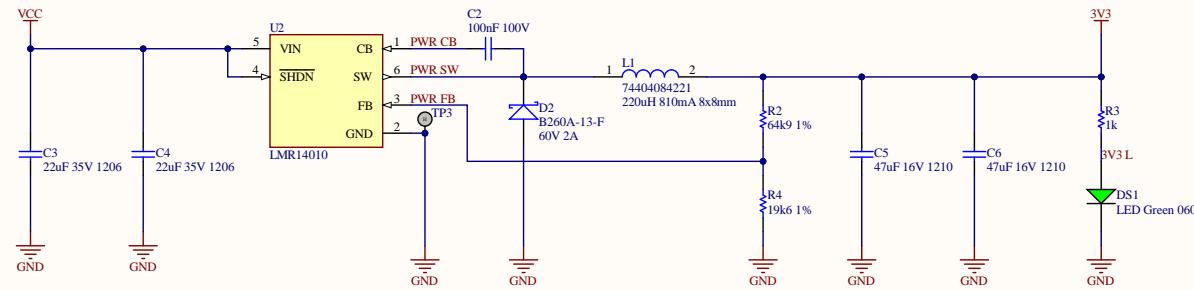
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<sup>A</sup>SPOC: 30 x 8 = 240mA  
LEDs: 2 x 5 = 10mA  
MCU: 35mA  
CAN: 20mA  
Temp Sensors: 1mA  
Current Sensors:  
SD Card: 100mA

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## Revision History:

Rev	Date	Description

Sheet Title: Power Supply (V-V to 3V3 @ 0.7-0.2A)

Project: Power Distribution Module

QUT Motorsport

O-120, Gardens Point

2 George Street

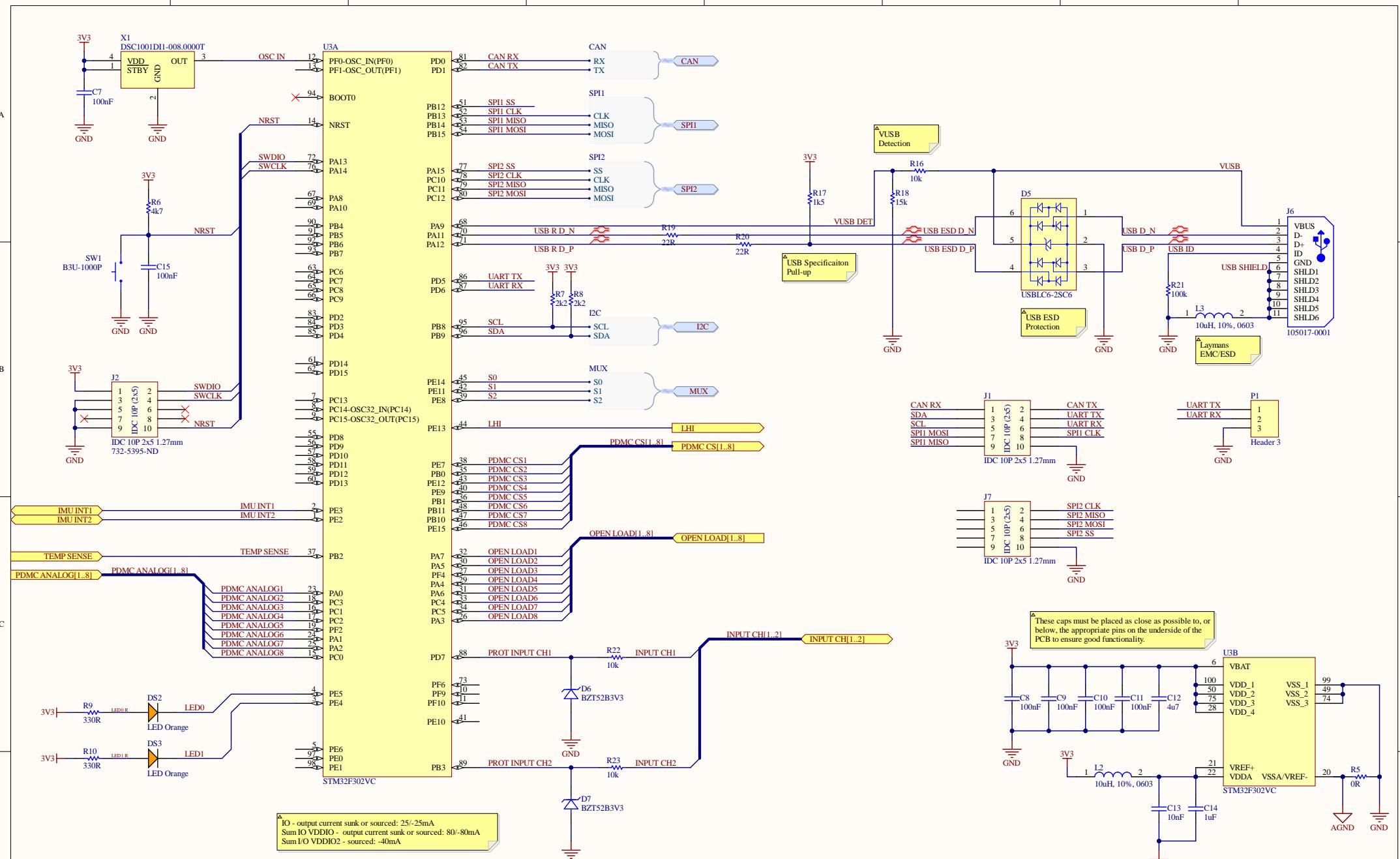
Brisbane, QLD 4000

Drawn By: John Dillon Sheet 3 of 9 Australia

Print Date: 20/08/2020 Print Time: 1:49:18 PM File Name: PDM-S03-V00-PSU.SchDoc



IO - output current sunk or sourced: 25/-25mA  
 Sum IO VDDIO - output current sunk or sourced: 80/-80mA  
 Sum I<sub>O</sub> VDDIO2 - sourced: -40mA



## Revision History:

Rev	Date	Description

## Sheet Title: Microcontroller

Project: Power Distribution Module

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

Size: A3 Number: 4 Version: 00 Revision: 00

Drawn By: Zoe Goodward Sheet: 4 of 9 Australia

Print Date: 20/08/2020 Print Time: 1:49:18 PM File Name: PDM-S04-V00-Microcontroller SchDoc

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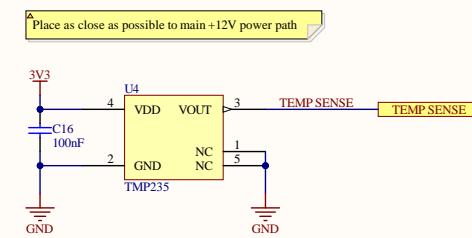
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## Revision History:

Rev	Date	Description

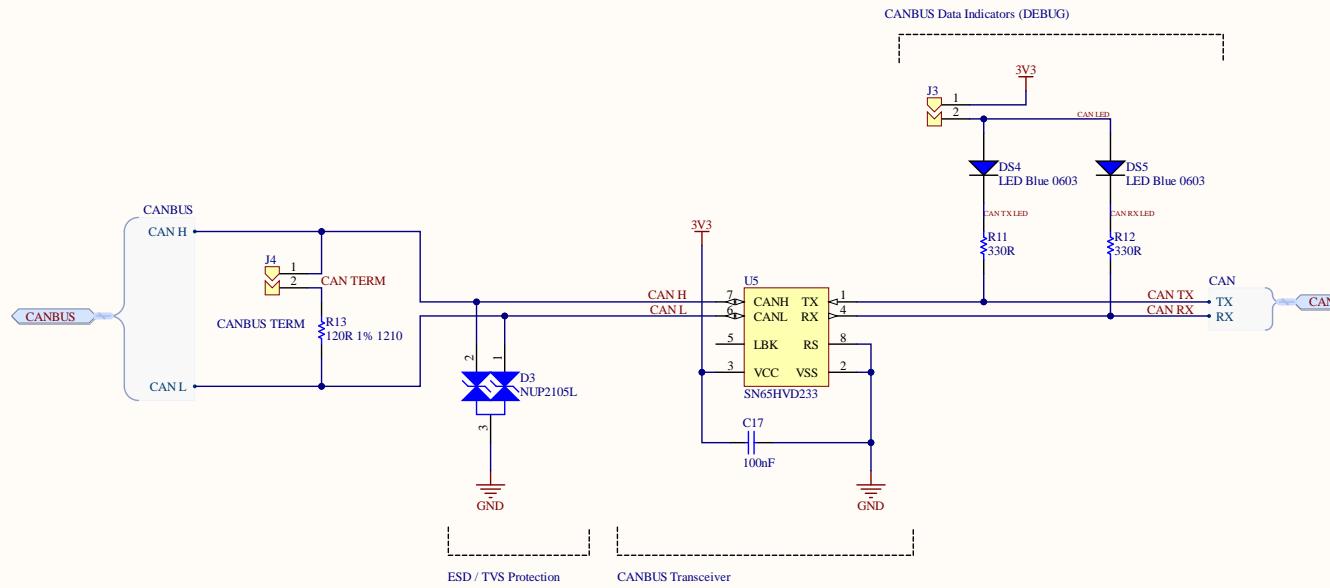
Sheet Title: Temperature Sensor

Project: Power Distribution Module

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



Print Date: 20/08/2020 Print Time: 1:49:19 PM File Name: PDM-S05-V00-TempSensor.SchDoc



## Revision History:

Rev	Date	Description

## Sheet Title: CAN Bus

Project: Power Distribution Module

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



Size: A3 Number: 6 Version: 01  
Drawn By: John Dillon Revision: 01  
Sheet 6 of 9  
Print Date: 20/08/2020 Print Time: 1:49:19 PM File Name: PDM-S06-V00-CAN.SchDoc

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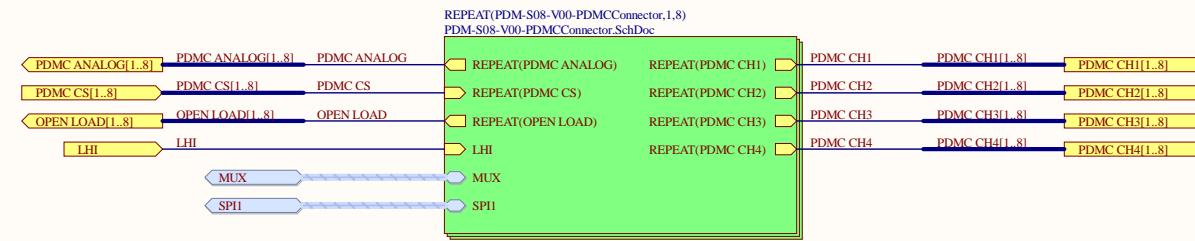
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## Revision History:

Rev	Date	Description

## Sheet Title: PDMC Connector Interface

Project: Power Distribution Module

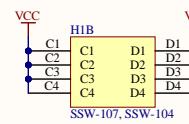
QUT Motorsport  
O-120, Gardens Point  
2 George Street  
Brisbane, QLD 4000  
Australia



Size: A3 Number: 7 Version: 01  
Drawn By: Zoe Goodward Sheet 7 of 9  
Print Date: 20/08/2020 Print Time: 1:49:19 PM File Name: PDM-S07-V00-PDMConnectorInterface.SchDoc

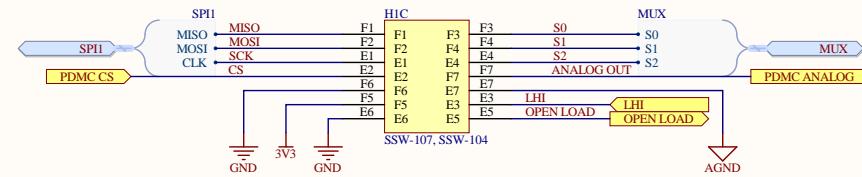
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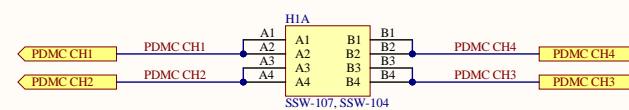
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## Revision History:

Rev	Date	Description

## Sheet Title: PDMC Connector

Project: Power Distribution Module

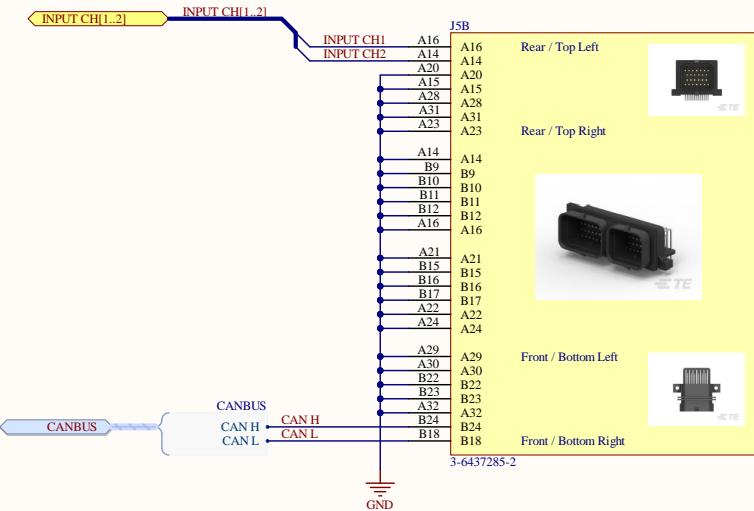
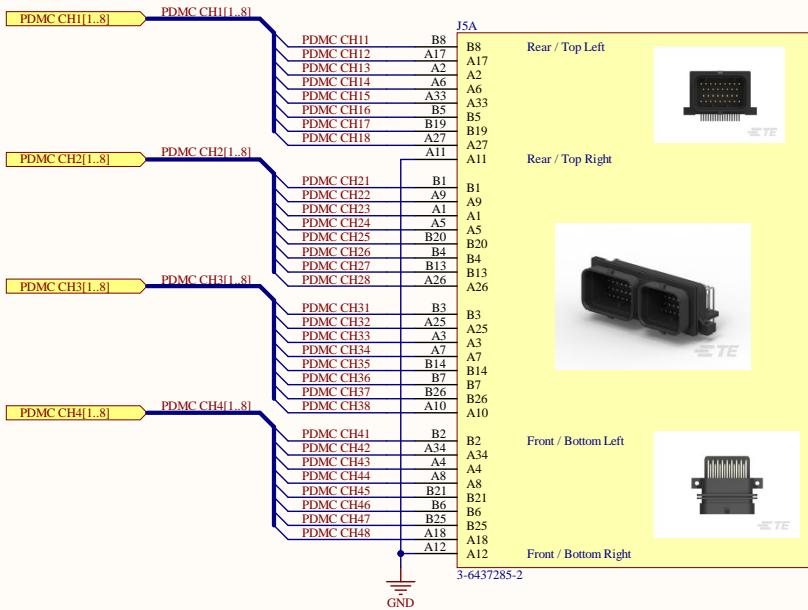
QUT Motorsport  
O-120, Gardens Point  
2 George Street  
Brisbane, QLD 4000  
Australia



Size: A3 Number: 8 Version: 01  
Drawn By: Zoe Goodward Sheet 8 of 9  
Print Date: 20/08/2020 Print Time: 1:49:19 PM File Name: PDM-S08-V00-PDMCConnector.SchDoc

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## Revision History:

Rev	Date	Description

## Sheet Title: Harness Connectors

Project: Power Distribution Module

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



Size: A3 Number: 9 Version: 01  
Drawn By: Zoe Goodward Sheet 9 of 9  
Print Date: 20/08/2020 Print Time: 1:49:19 PM File Name: PDM-S09-V00-HarnessConnector.SchDoc

