


### Revision History


Rev	Date	Des

Sheet Title: <b>Temperature Sensor</b>			
Project: <b>Power Distribution Module 2020</b>		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000	
Size: A3	Number: #####	Version: 01	
		Revision: 01	
Drawn By: Zoe Goodward	Sheet 1 of 1	Australia	
Print Date: 24/07/2020 Print Time: 2:22:02 PM		File Name: PDM-S01-V00-TempSensing_SchDoc	

	1	2	3	4	5	6	7	8
A								
B								
C								
D								

Revision History:

Rev	Date	Description

Sheet Title: <b>PDMC Connector</b>		
Project: <b>Power Distribution Module 2020</b>		<b>QUT Motorsport</b> O-120, Gardens Point 2 George Street Brisbane, QLD 4000 
Size: A3	Number: #####	
Version: <b>01</b>		
Revision: <b>01</b>		
Sheet <b>1</b> of <b>1</b>		
Drawn By: Zoe Goodward		Australia
Print Date: 24/07/2020 Print Time: 2:22:02 PM		File Name: PDM-S01-V00-PDMConnector.SchDoc

A

B

C

D


A

B

C

D


- FID1




Fiducial 1MM
- M1




Hole M3 Tight Unplated
- FID2




Fiducial 1MM
- M2




Hole M3 Tight Unplated
- FID3




Fiducial 1MM
- M3



Hole M3 Tight Unplated
- FID4



Fiducial 1MM
- M4



Hole M3 Tight Unplated

LYID1

1

2

2 Layer Identification PCB Marker



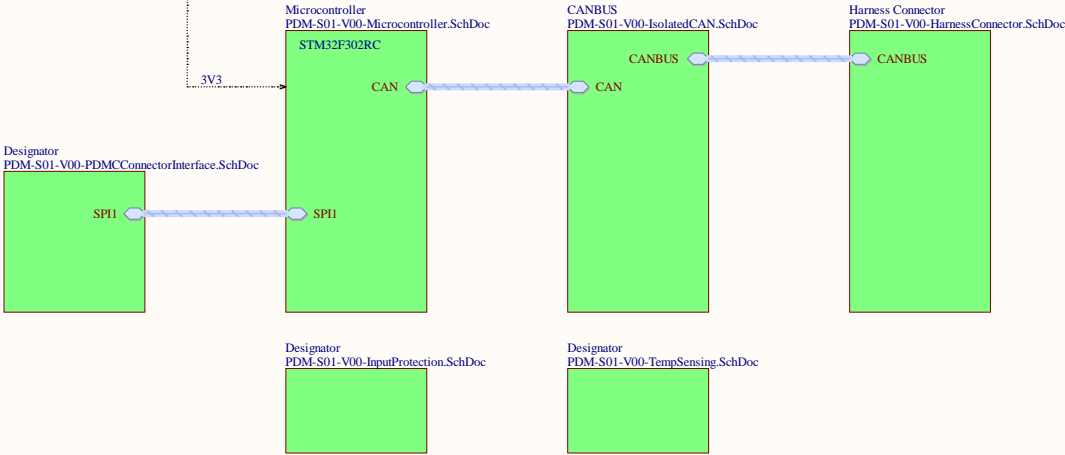
VBAT = 11V-14.4V

Designator  
PDM-S01-V00-BatteryProtection.SchDoc

PSU  
PDM-S01-V00-PSU.SchDoc

LMR14010

VBAT - 3V3



Revision History:

Rev	Date	Description

Sheet Title: **PDM Master**

Project: **Power Distribution Module 2020**

Size: A3

Number: #####

Version: **01**

Revision: **01**

Sheet **1** of **1**

Drawn By: *Zoe Goodward*

Print Date: 24/07/2020

Print Time: 2:22:02 PM

File Name: PDM-S01-V00-PowerDistributionModule.SchDoc


QUT Motorsport

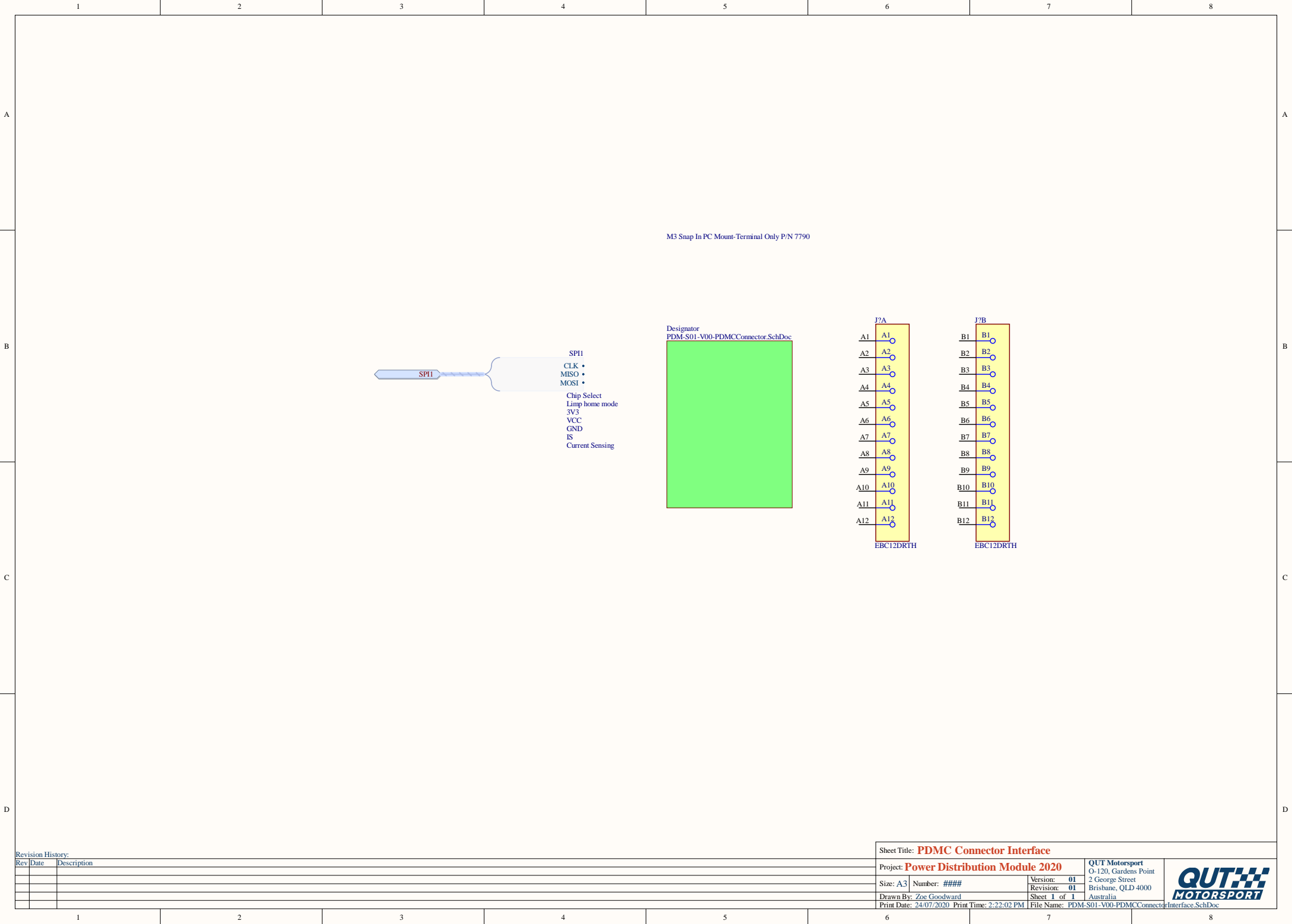
O-120, Gardens Point

2 George Street

Brisbane, QLD 4000

Australia






Revision History:

Rev	Date	Description

Sheet Title: <b>PDMC Connector Interface</b>		
Project: <b>Power Distribution Module 2020</b>		<b>QUT Motorsport</b> O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3	Number: #####	
Version: <b>01</b>	Revision: <b>01</b>	
Drawn By: Zoe Goodward	Sheet <b>1</b> of <b>1</b>	
Print Date: 24/07/2020 Print Time: 2:22:02 PM		File Name: PDM-S01-V00-PDMCConnectorInterface.SchDoc







A

B

C

D

A

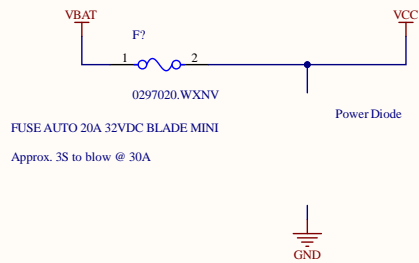
B

C

D

Fuse  
Power diode  
Voltage sense back to  
MCU

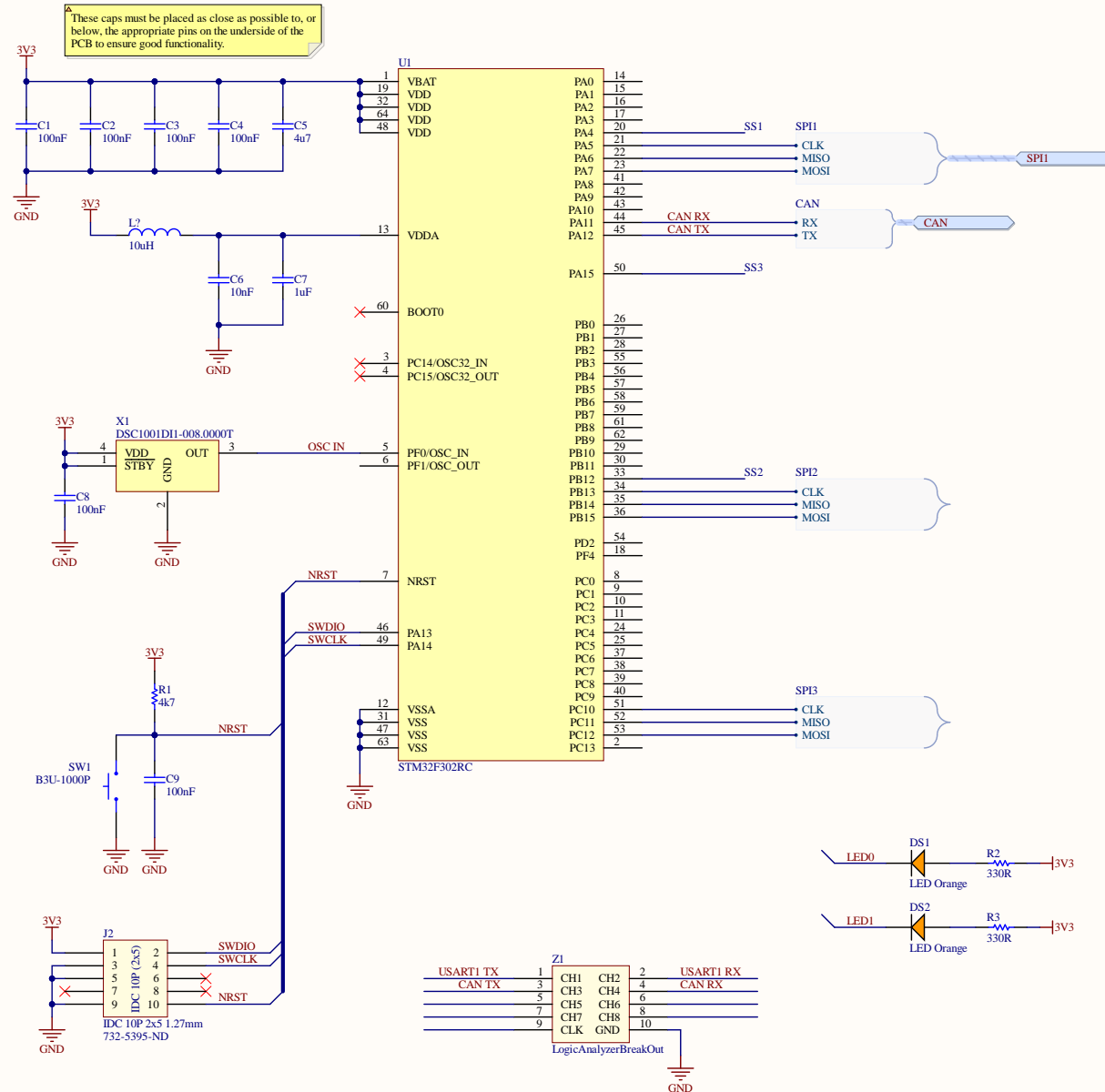
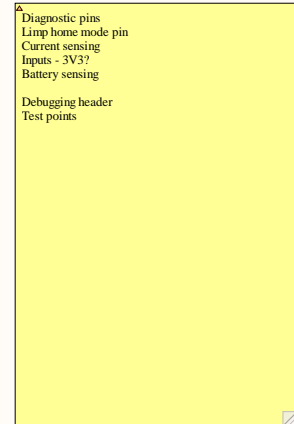
24A max continuous  
30A max pulse  
  
T.9.1.2 - All Low Voltage batteries must have  
overcurrent protection that trips at or below the  
maximum specified discharge current of the cells.



Revision History:

Rev	Date	Description

Sheet Title: <b>Battery Input Protection</b>		
Project: <b>Power Distribution Module 2020</b>		<b>QUT Motorsport</b> O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3	Number: #####	
Drawn By: Zoe Goodward	Version: <b>01</b>	
Print Date: 24/07/2020 Print Time: 2:22:03 PM	Revision: <b>01</b>	
Sheet <b>1</b> of <b>1</b>		
File Name: PDM-S01-V00-BatteryProtection.SchDoc		





A

B

C

D

A

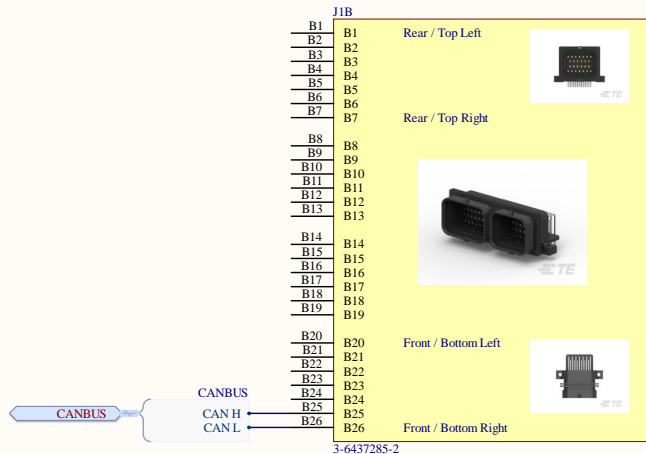
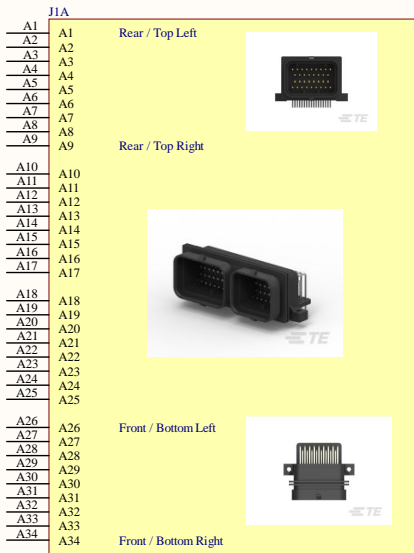
B

C

D



CAN +  
CAN -  
30 outputs (pwm-able?)  
~ can do more  
GND  
Inputs?



Text

Revision History:

Rev	Date	Description