
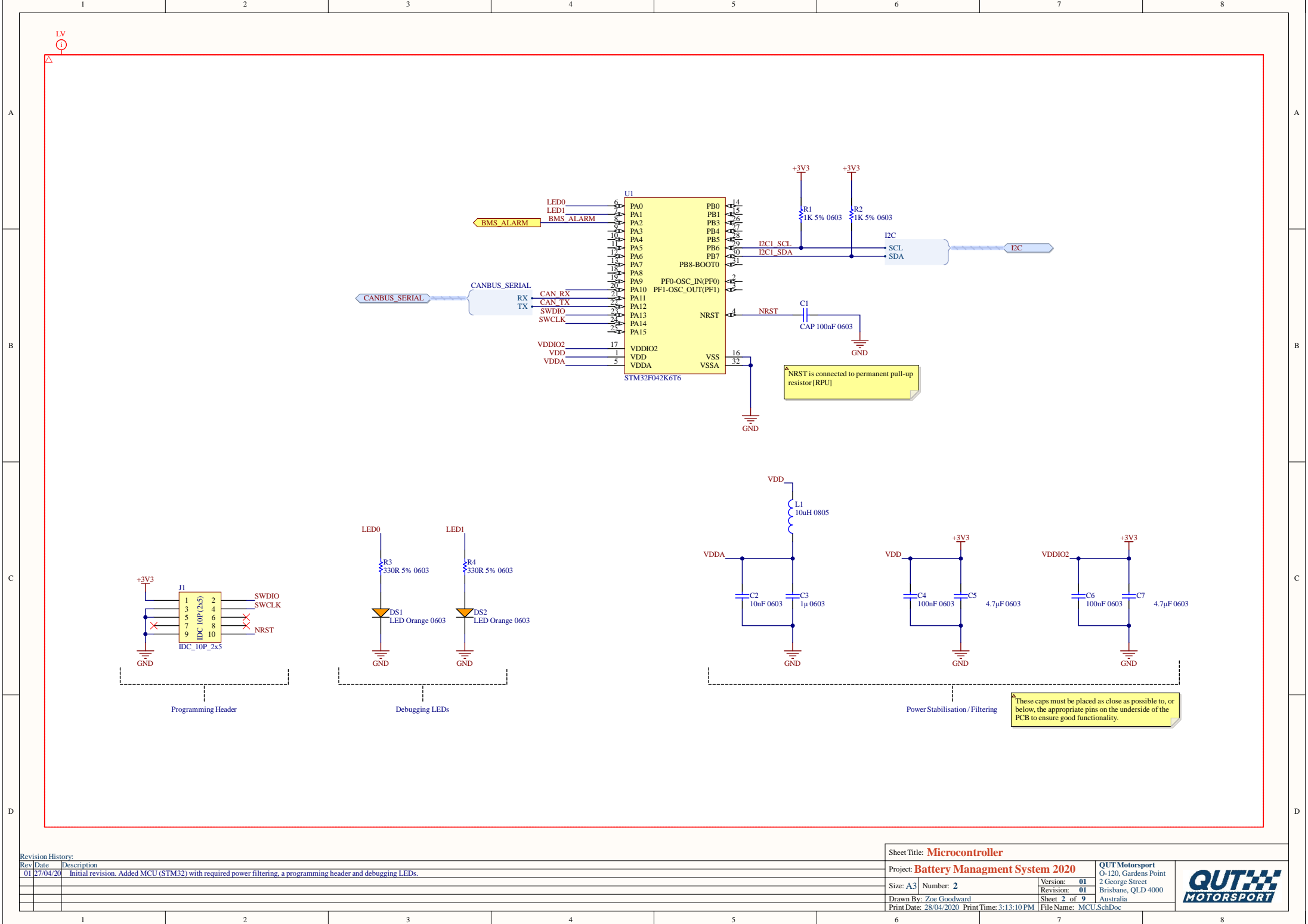



Revision History:

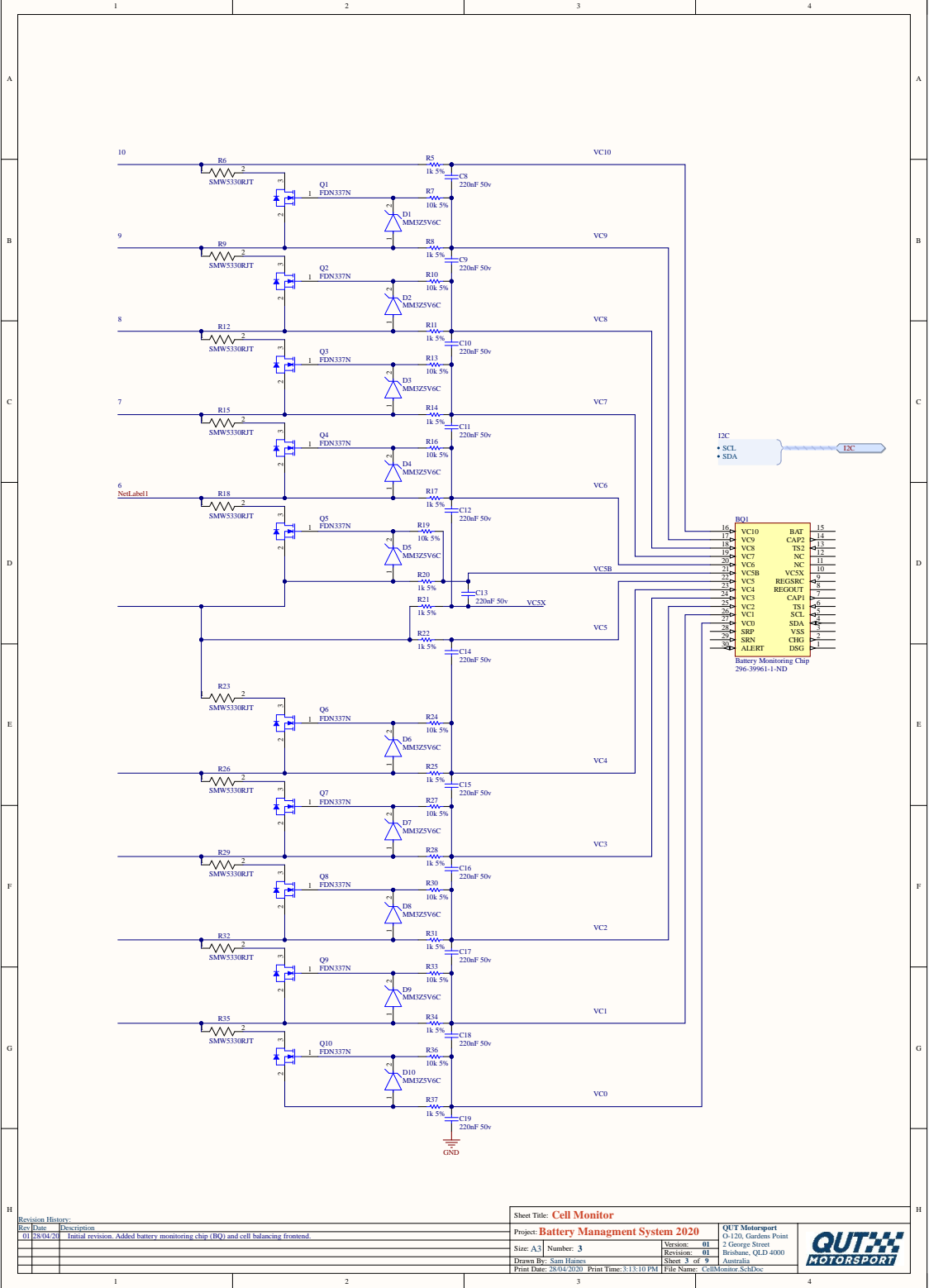
Rev	Date	Description
01	28/04/20	Initial revision.

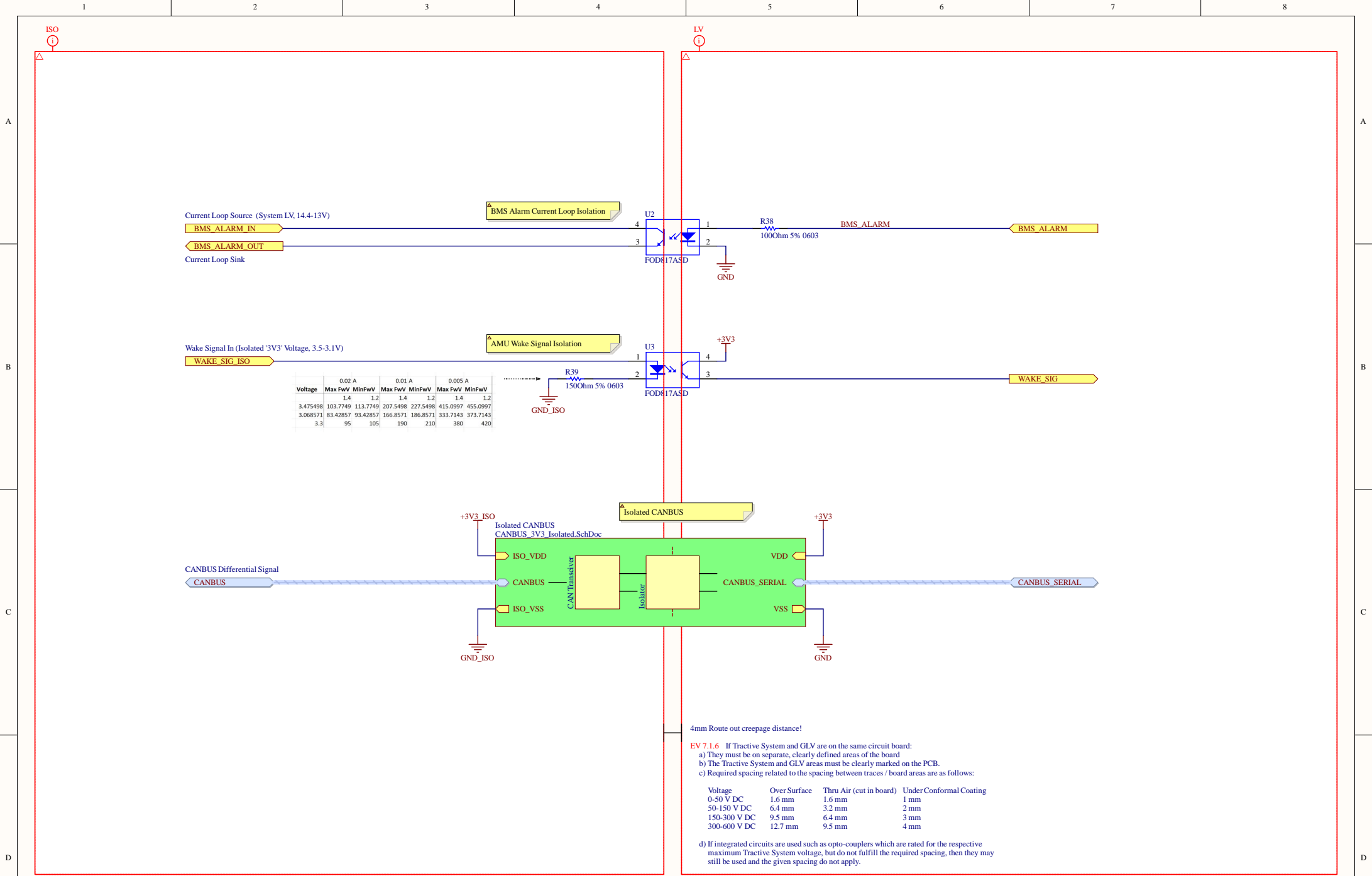
Sheet Title: BMS Master				
Project: Battery Managment System 2020			QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000	
Size: A3	Number: 1	Version: 01	Revision: 01	
Drawn By: Jonn Dillon		Sheet 1 of 9	Australia	
Print Date: 28/04/2020		Print Time: 3:13:10 PM		
		File Name: Master.SchDoc		



Revision History:	
Rev	Description
01	Initial revision. Added MCU (STM32) with required power filtering, a programming header and debugging LEDs.

Sheet Title: Microcontroller					
Project: Battery Managment System 2020		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000			
Size: A3	Number: 2	Version: 01	Revision: 01		
Drawn By: Zoe Goodward		Sheet 2 of 9			
Print Date: 28/04/2020		File Name: MCU.SchDoc			
Print Time: 3:13:10 PM					





Revision History:

Rev	Date	Description
01	25/04/20	Initial revision. Added isolation barrier componetry (Optocouplers, Isolated CAN Sheet)

Sheet Title: **Isolation Barrier**

Project: **Battery Management System 2020**

Size: A3 Number: **4**

Drawn By: Jonn Dillon

Print Date: 28/04/2020 Print Time: 3:13:10 PM

Version: **01**

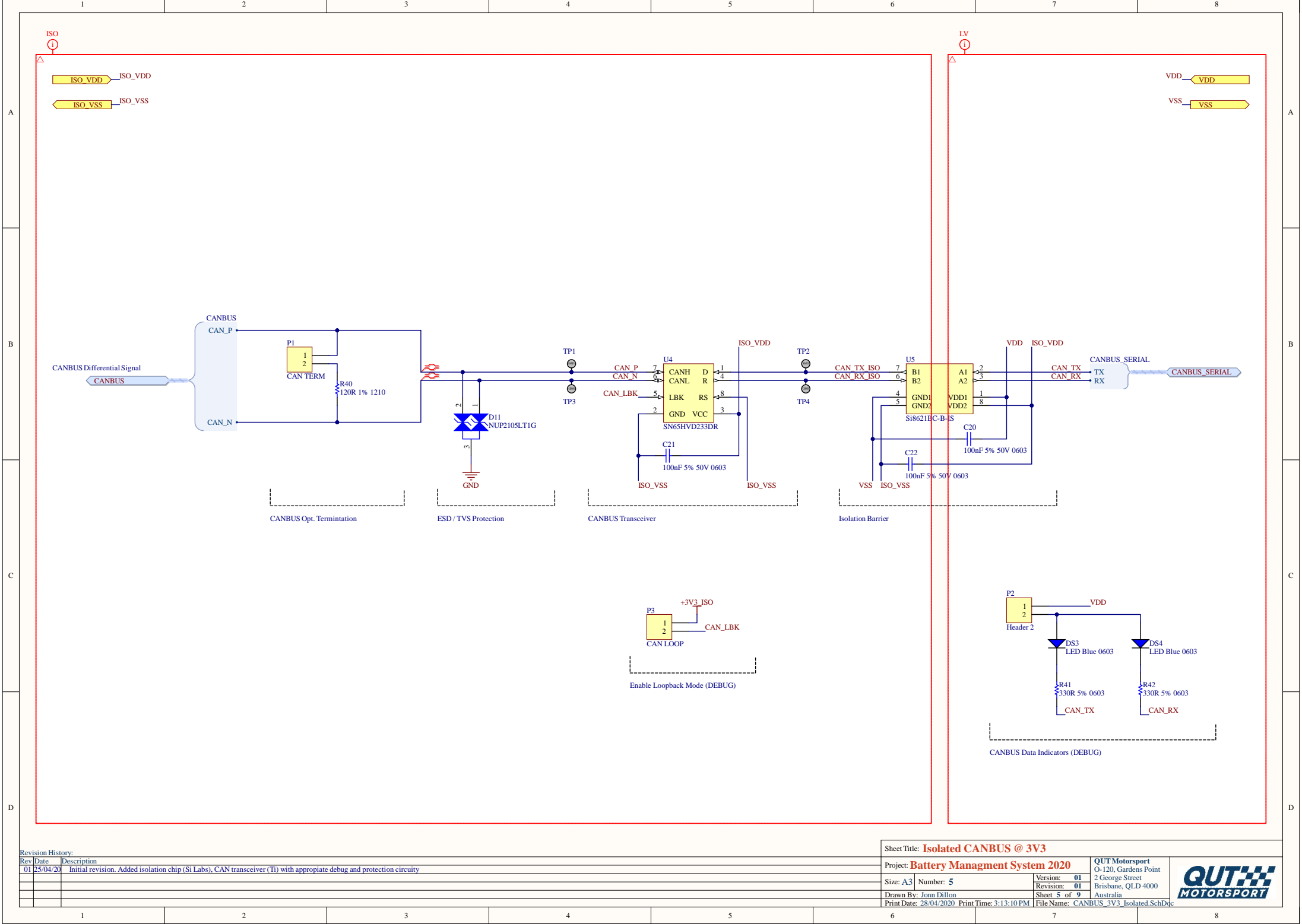
Revision: **01**

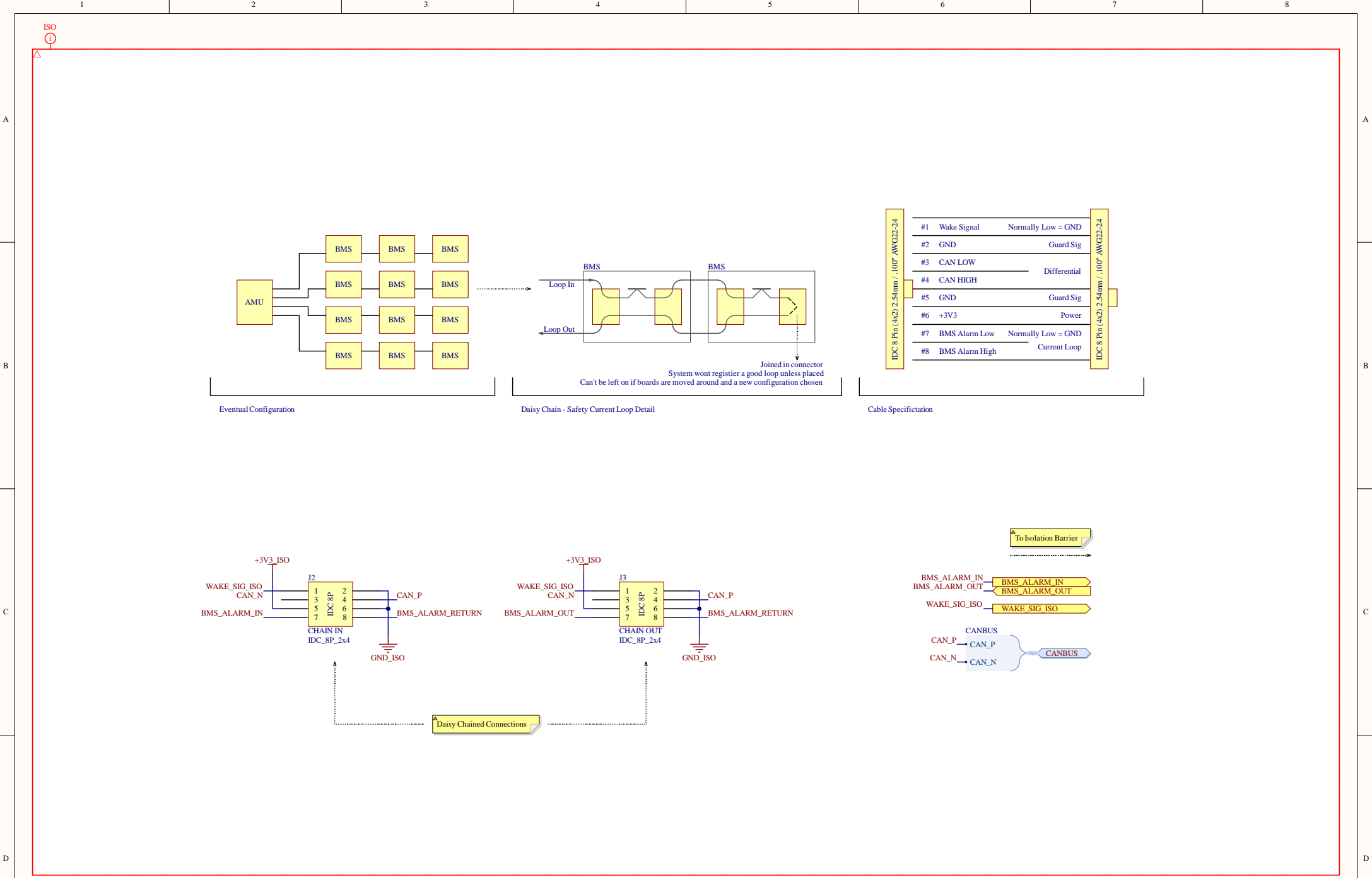
Sheet **4** of **9**

File Name: IsolationBarrier.SchDoc

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







Revision History:

Rev	Date	Description
01	25/04/20	Initial revision. Added daisy chain connectors (IDC 2.54mm 2x4P), specified the ribbon cable standard, draw diagrams to represent the connection specifics

Sheet Title: **Daisy Chain / External Interface Connectors**

Project: **Battery Management System 2020**

Size: A3 Number: **6**

Drawn By: Jonn Dillon

Print Date: 28/04/2020 Print Time: 3:13:10 PM

Version: **01**

Revision: **01**

Sheet **6** of **9**

File Name: ExternalConnectors.SchDoc

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



A

B

C

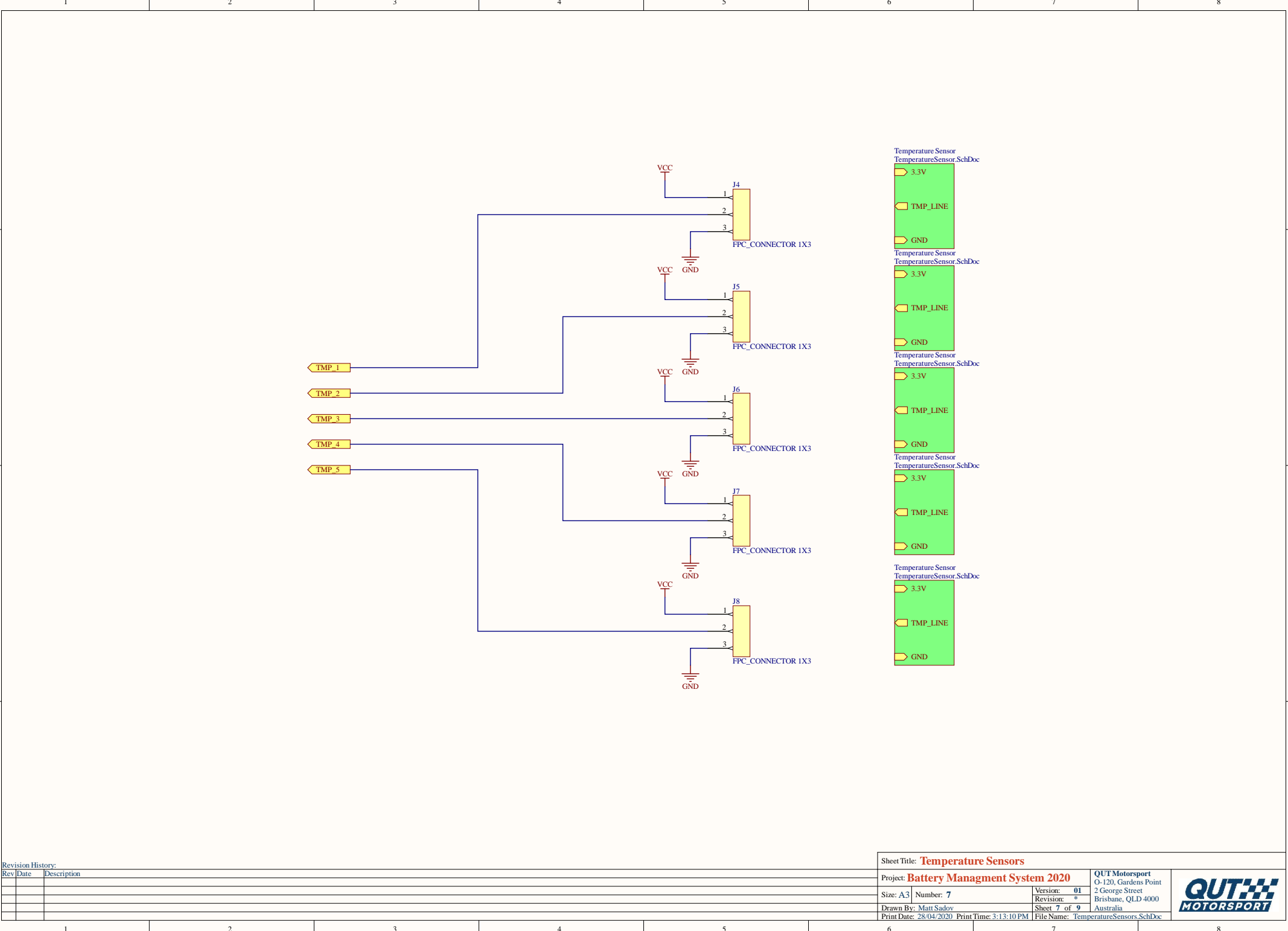
D

A

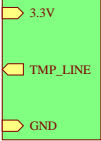
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C

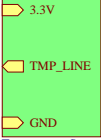
D



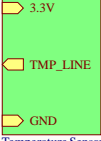
Temperature Sensor
TemperatureSensor.SchDoc



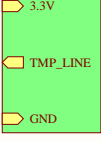
Temperature Sensor
TemperatureSensor.SchDoc



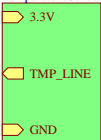
Temperature Sensor
TemperatureSensor.SchDoc



Temperature Sensor
TemperatureSensor.SchDoc



Temperature Sensor
TemperatureSensor.SchDoc



Revision History:

Rev	Date	Description

A

B

C

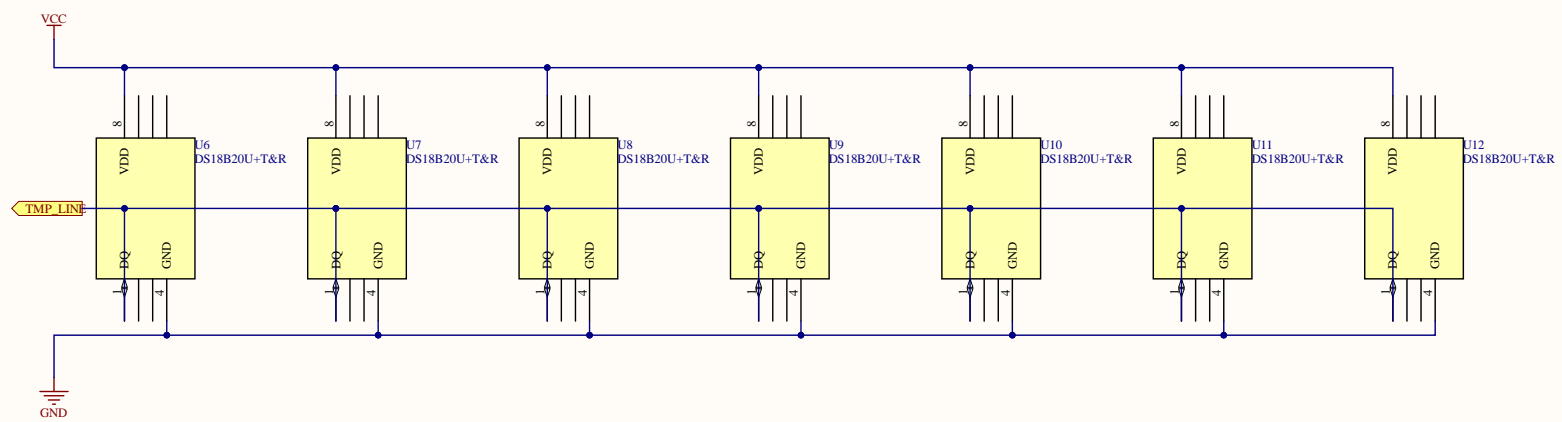
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A

B


C

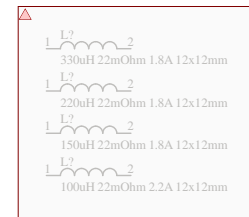
D




Revision History:

Rev	Date	Description

Sheet Title: Temperature Sensors		
Project: Battery Managment System 2020		QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000 Australia
Size: A3	Number: 8	
Drawn By: Matt Sadow	Version: 01	
Print Date: 28/04/2020	Revision: 01	
Print Time: 3:13:11 PM		Sheet 8 of 9
File Name: TemperatureSensor.SchDoc		



Revision History:		
Rev	Date	Description
01	26/04/20	Initial revision, Added in the LMR14010A chip, along with appropriately selected inductor, capacitors and resistor dividers for a 3V3 Output at 0.1A

Sheet Title: Power Supply (20-40V to 3v3 @ 0.1-0.6A)					
Project: Battery Management System 2020			QUT Motorsport O-120, Gardens Point 2 George Street Brisbane, QLD 4000		
Size: A3	Number: 9	Version: 01	Sheet 9 of 9		
Drawn By: <u>Jon Dillon</u>		Revision: 01	Australia		
Print Date: 28/04/2020		Print Time: 3:13:11 PM	File Name: PSI1 Disconnect SchDoc		

