

A

B

C

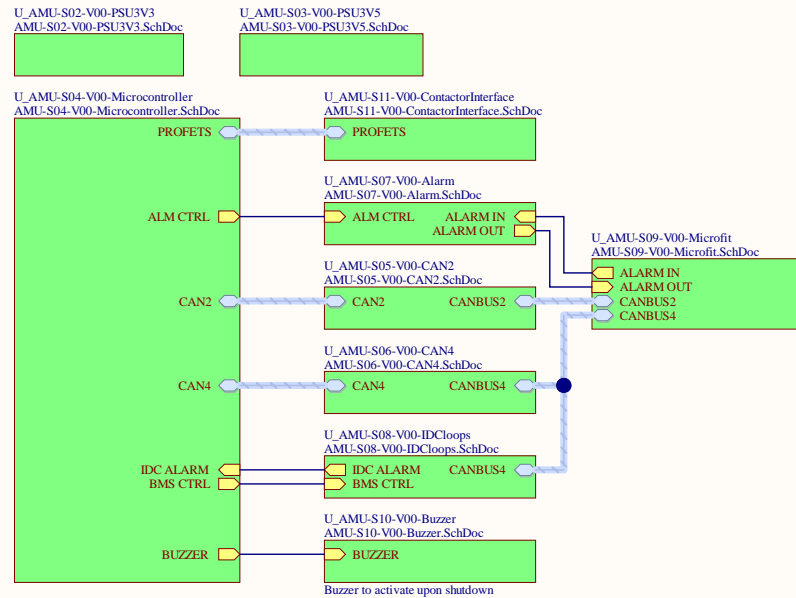
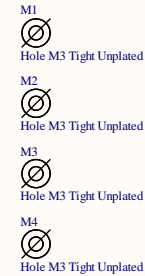
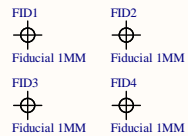
D

A

B

C

D



Revision History:

Rev	Date	Description

Sheet Title: **AMU Master**

Project: **AMU 2020**

Size: A3 Number: **1**

Drawn By: Thomas Benedetti

Print Date: 30/09/2020 Print Time: 11:13:35 AM

Version: **00**

Revision: *****

Sheet **1** of **12**

File Name: AMU-S01-V00.SchDoc

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



1

2

3

4

5

6

7

8

A

B

C

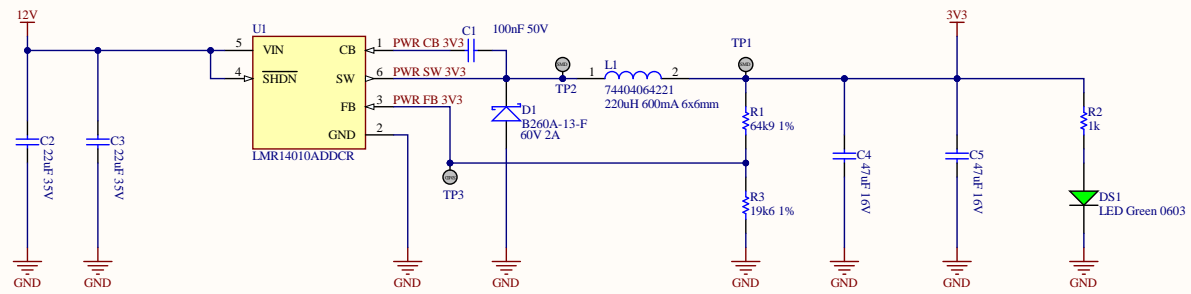
D

A

B

C

D



Revision History:

Rev	Date	Description

Sheet Title: **Power Supply (20-40V to 3v3 @ 0.1-0.6A)**

Project: **AMU 2020 (Sourced from BMS 2020)**

Size: A3 Number: **2**

Drawn By: Jom Dillon

Print Date: 30/09/2020 Print Time: 11:13:35 AM

Version: **01**

Revision: **01**

Sheet **2** of **12**

File Name: AMU-S02-V00-PSU3V3.SchDoc

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



A

B

C

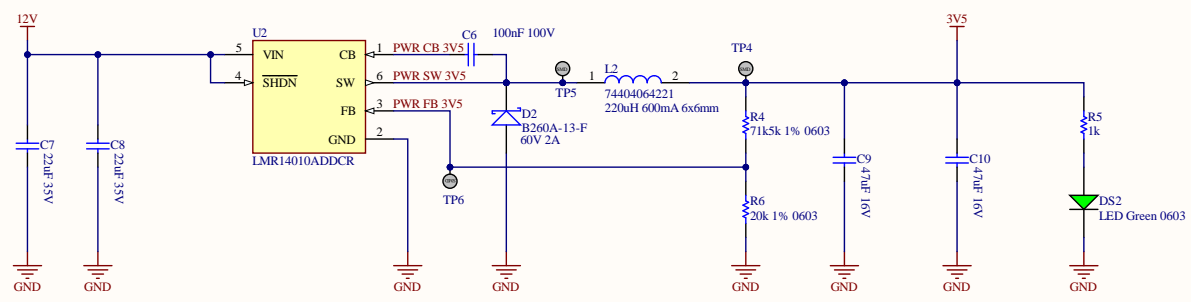
D

A

B

C

D



Revision History:

Rev	Date	Description

Sheet Title: **Power Supply (20-40V to 3v3 @ 0.1-0.6A)**

Project: **AMU 2020 (Sourced from BMS 2020)**

Size: A3 Number: **3**

Drawn By: Jom Dillon

Print Date: 30/09/2020 Print Time: 11:13:35 AM

Version: **00**

Revision: **0**

Sheet **3** of **12**

File Name: AMU-S03-V00-PSU3V5.SchDoc

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



A

B

C

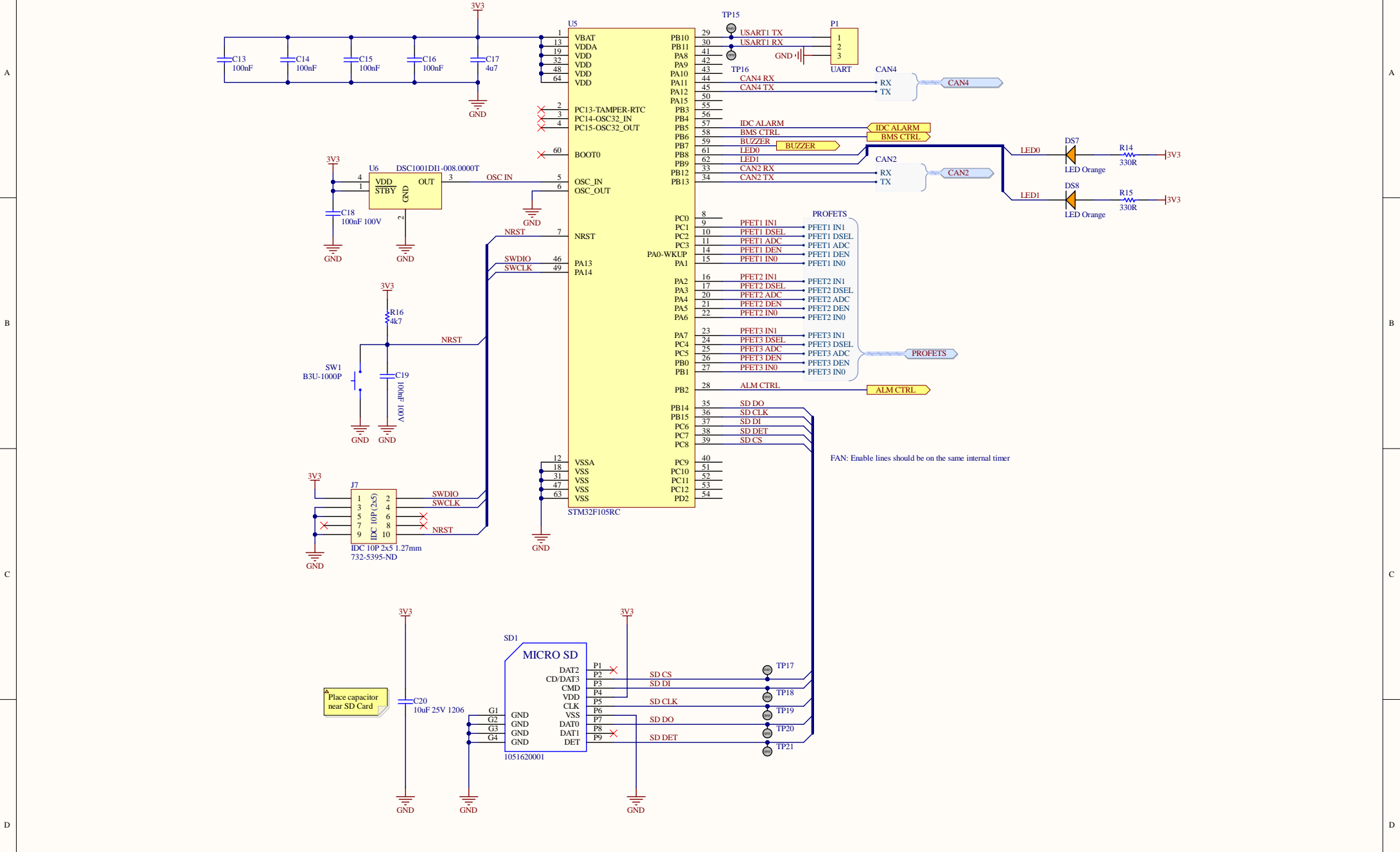
D

A

B

C

D



Revision History:	
Rev	Description

Sheet Title: **AMU Microcontroller**

Project: **AMU 2020**

Size: A3 Number: **4**

Drawn By: Thomas Benedetti

Print Date: 30/09/2020

Version: **01**

Revision: **01**

Sheet **4** of **12**

Print Time: 11:13:36 AM

QUT Motorsport

O-120, Gardens Point

2 George Street

Brisbane, QLD 4000

Australia

QUT

MOTORSPORT

File Name: AMU-S04-V00-Microcontroller.SchDoc

A

B

C

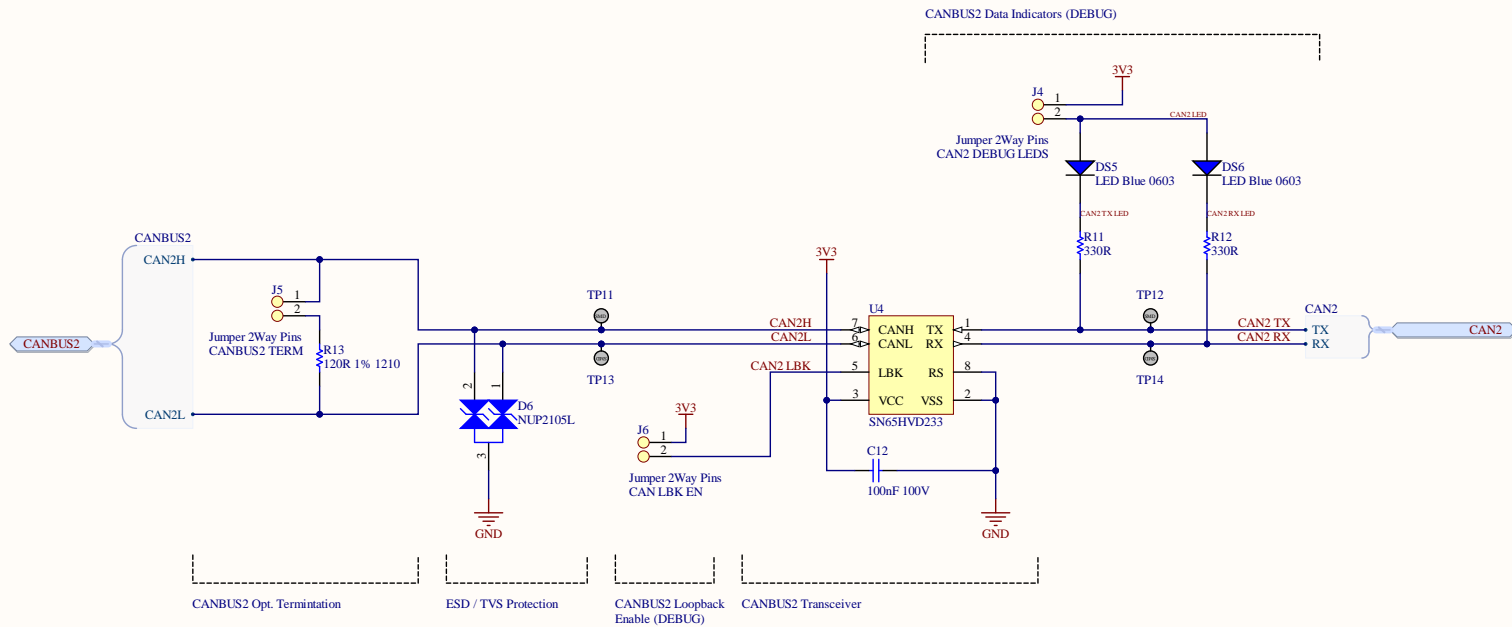
D

A

B

C

D



Revision History:

Rev	Date	Description

Sheet Title: **Isolated CANBUS2 3V3**

Project: **AMU 2020 (Sourced from BMS 2020)**
Size: A3 Number: **5**
Drawn By: Jom Dillon
Print Date: 30/09/2020 Print Time: 11:13:36 AM

Version: **01**
Revision: **01**
Sheet 5 of 12
File Name: AMU-S05-V00-CAN2.SchDoc

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



A

B

C

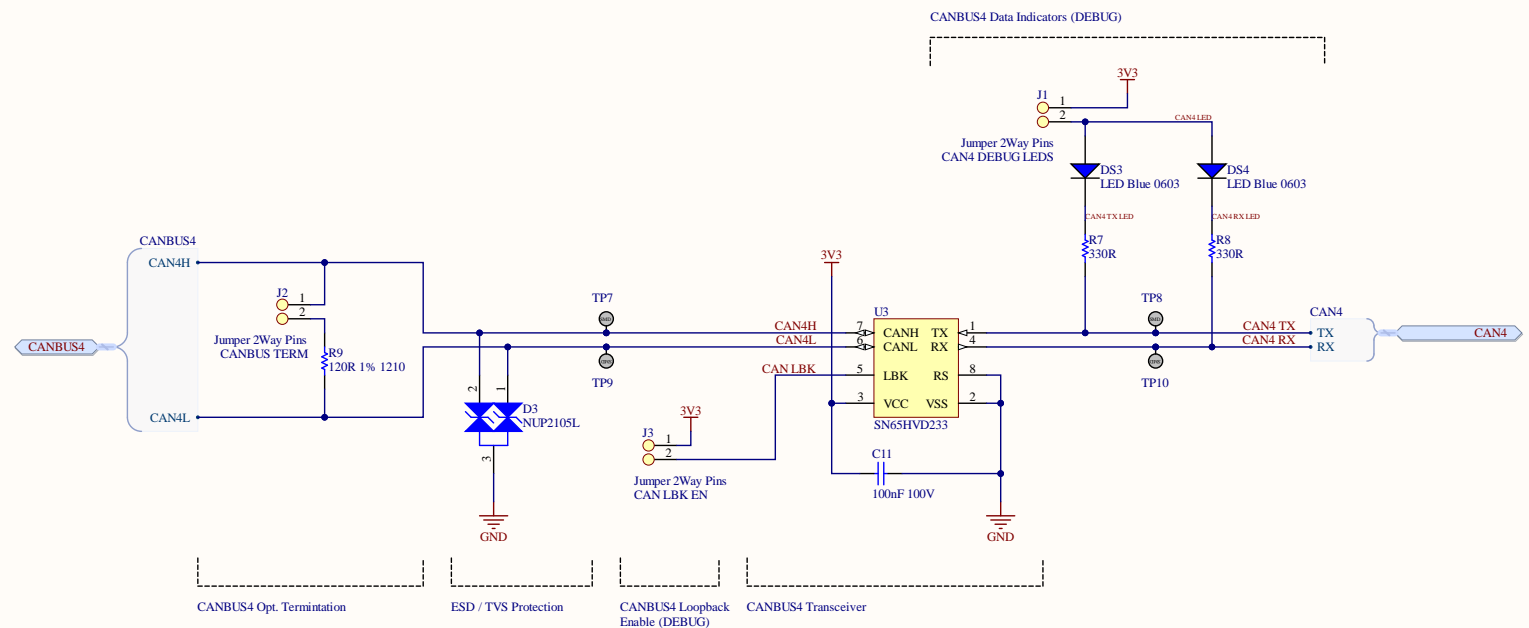
D

A

B

C

D



Revision History:

Rev	Date	Description

Sheet Title: **Isolated CANBUS4 3V3**

Project: **AMU 2020 (Sourced from BMS 2020)**

Size: A3 Number: **6**

Drawn By: Jom Dillon

Print Date: 30/09/2020 Print Time: 11:13:36 AM

Version: **01**

Revision: **01**

Sheet **6** of **12**

File Name: AMU-S06-V00-CAN4.SchDoc

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



A

B

C

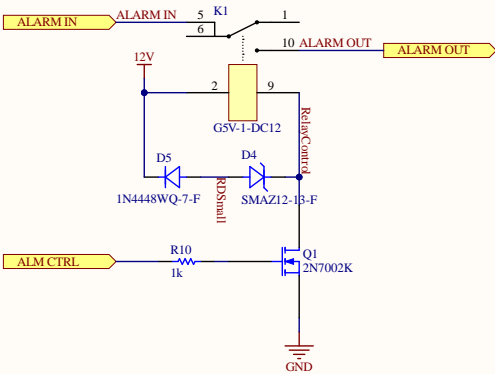
D

A

B

C

D



Revision History:

Rev	Date	Description

Sheet Title: **Alarm Relay**

Project: **AMU 2020**

Size: A3 Number: **7**

Drawn By: Thomas Benedetti

Print Date: 30/09/2020 Print Time: 11:13:36 AM

Version: **00**

Revision: **0**

Sheet **7** of **12**

File Name: AMU-S07-V00-Alarm.SchDoc

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



1

2

3

4

5

6

7

8

A

B

C

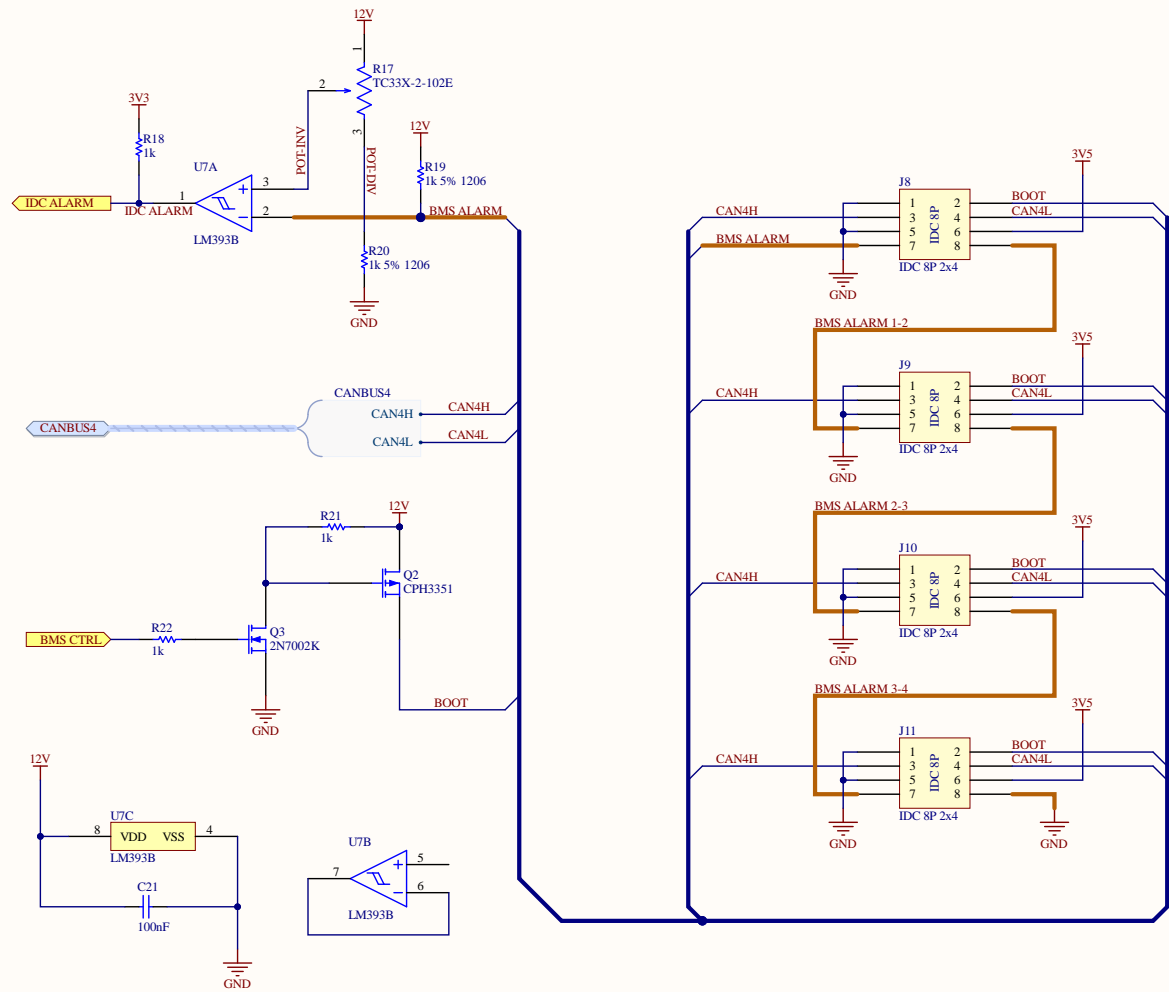
D

A

B

C

D



Revision History:

Rev	Date	Description

Sheet Title: **BMS Interface**

Project: **AMU 2020**

Size: A3 Number: **8**

Drawn By: Thomas Benedetti

Print Date: 30/09/2020 Print Time: 11:13:36 AM

Version: **00**

Revision: **0**

Sheet **8** of **12**

File Name: AMU-S08-V00-IDCloops.SchDoc

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



A

B

C

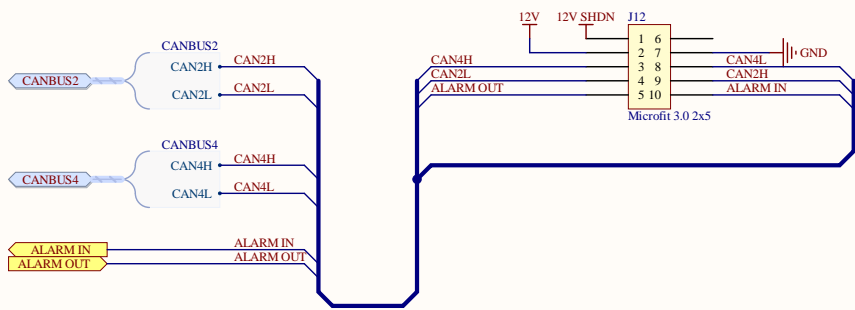
D

A

B

C

D



Revision History:

Rev	Date	Description

Sheet Title: **CANBUS Micro-Fit**

Project: **AMU 2020**

Size: A3 Number: **9**

Drawn By: Thomas Benedetti

Print Date: 30/09/2020 Print Time: 11:13:37 AM

Version: **00**

Revision: **0**

Sheet **9** of **12**

File Name: AMU-S09-V00-Microfit.SchDoc

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



1

2

3

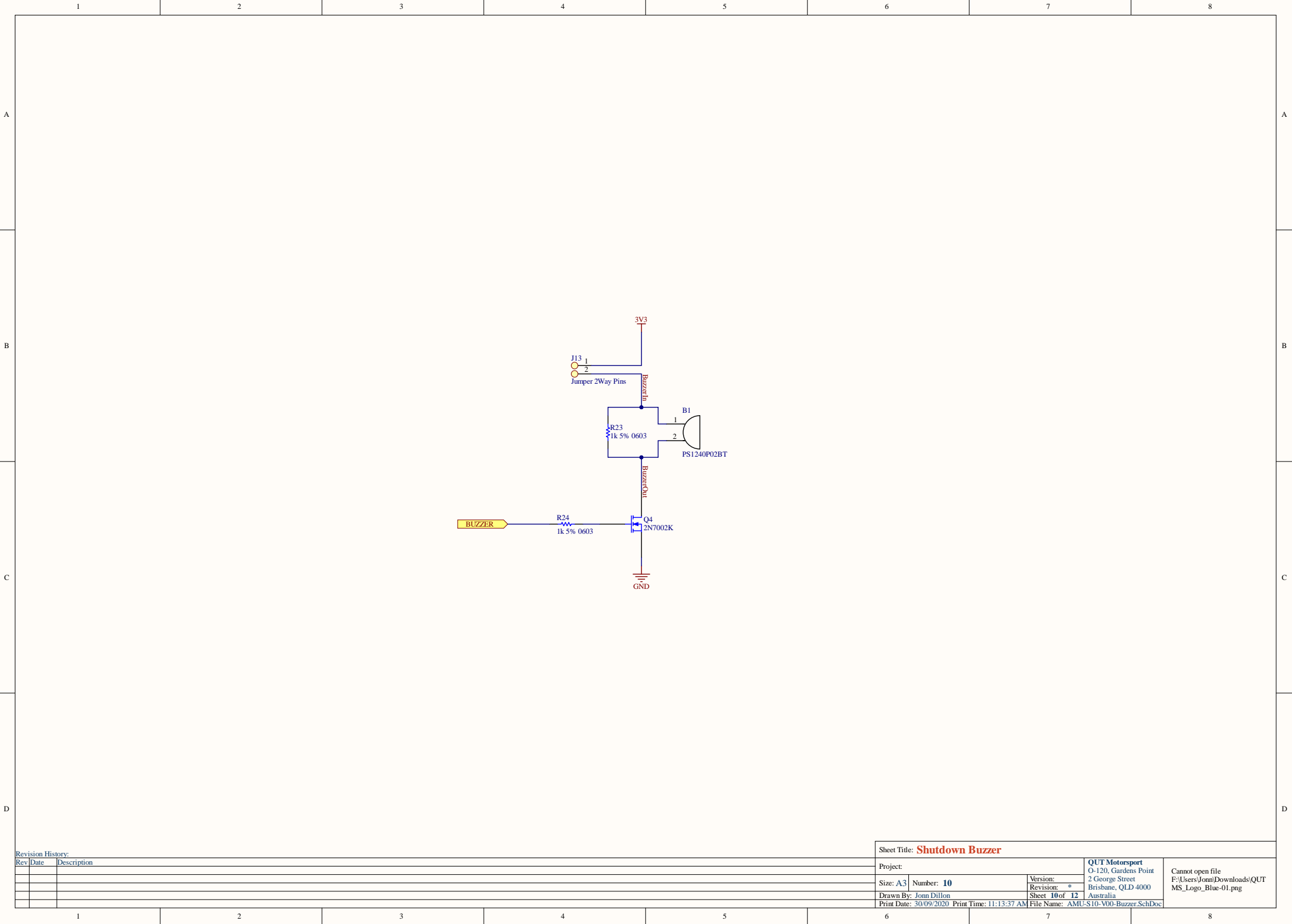
4

5

6

7

8



Revision History:

Rev	Date	Description

Sheet Title: Shutdown Buzzer			
Project:			QUT Motorsport
Size: A3 Number: 10			O-120, Gardens Point
Version:			2 George Street
Revision: *			Brisbane, QLD 4000
Sheet 10 of 12			Australia
Drawn By: Jonn Dillon			Cannot open file
Print Date: 30/09/2020 Print Time: 11:13:37 AM			F:\Users\Jonn\Downloads\QUT
File Name: AMU-S10-V00-Buzzer.SchDoc			MS_Logo_Blue-01.png

Revision History:

Rev	Date	Des

Sheet Title: ❁

Project: #####

Size: A3	Number: 12
----------	------------

Drawn By: *	
-------------	--

Version:	00
Revision:	*

Sheet 12 of 12

AM|File Name: AMU-S12-V00-PROFET.SchDoc

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



A

B

C

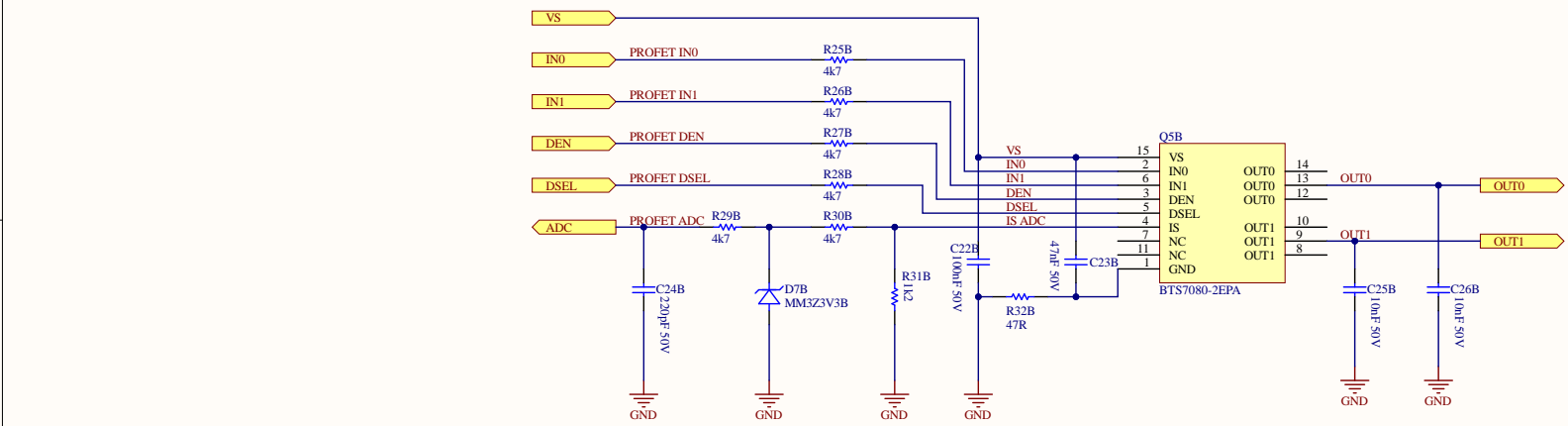
D

A

B

C

D



Revision History:

Rev	Date	Description

Sheet Title: *

Project: #####

Size: A3 Number: 12

Drawn By: *

Print Date: 30/09/2020 Print Time: 11:13:37 AM

Version: 00

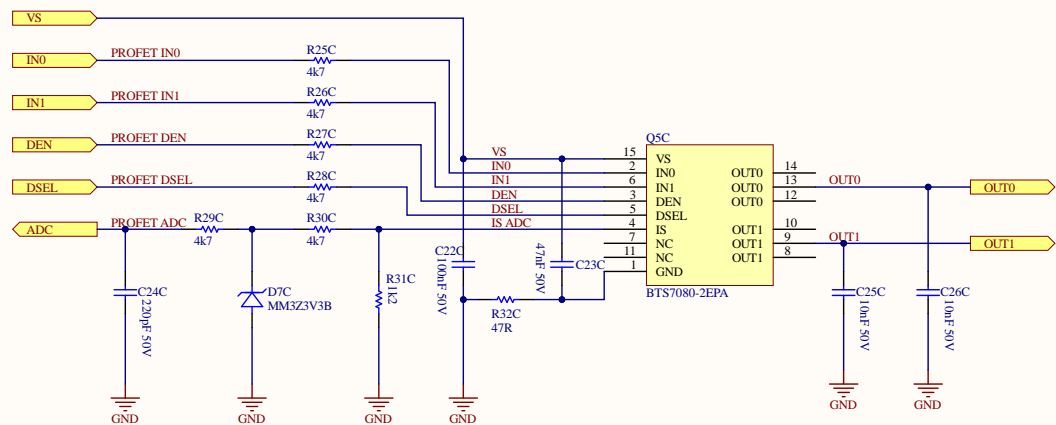
Revision: *

Sheet 12 of 12

File Name: AMU-S12-V00-PROFET.SchDoc

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





Revision History:

Rev	Date	Description

Sheet Title: *

Project: #####

Size: A3 Number: 12

Drawn By: *

Print Date: 30/09/2020 Print Time: 11:13:37 AM

Version: 00

Revision: *

Sheet 12 of 12

File Name: AMU-S12-V00-PROFET.SchDoc

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



AMS 2020

QUT
MOTORSPORT

C30

C29

M3

FID3

C18

C17

Jumper

1 2 LYID1

FID1

M1

FID2

M2

FID4

L2

U2
C6
L2
TP6
Z383
R6
D2
R4
R5
DS2
C10
TP4

U1
C1
TP3
C4
C5
D1
R1
R2
DS1
TP1
L1
TP2

J10
J11

Q3
Q2
R21
C21
R19
R17
R22
R20
Z1N
J8
J9

J2
TP7
TP9
C1
DS3
DS4
R7
R8
8D1
01D1
TP10
TP11
TP13

J4
DS6
DS5
R12
R11
C12
TP12
TP13
TP11
TP15
TP16
TP18
TP19
TP20

R27B
R29B
R30B
R31B
R32B
R26C
R28C
R29C
R30C
R31C
R32C
R27C
R28C
R29C
R30C
R31C
R32C

R22A
R24A
R25A
R26A
R27A
R28A
R29A
R30A
R31A
R32A
R22B
R24B
R25B
R26B
R27B
R28B
R29B
R30B
R31B
R32B

C22A
C22B
C22C
C22D
C22E
C22F
C22G
C22H
C22I
C22J
C22K
C22L
C22M
C22N
C22O
C22P
C22Q
C22R
C22S
C22T
C22U
C22V
C22W
C22X
C22Y
C22Z

J14

TB

G50-14
D8
D9