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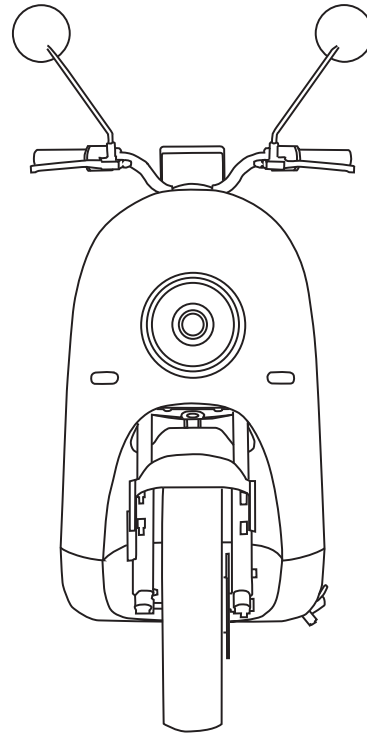
1

4

3

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1



unu scooter model 2.1 Electrical Diagram

Page	Title
1	Cover Page
2	Scooter Diagrams
3	Power Train
4	Battery and Power
5	Sensors and Actuators
6	Lights
7	Dashboard and Antenas

DESIGNED BY: Guilherme Müller		Cover Page		unu
DATE: 03.01.2022		unu scooter 2.1		
SIZE: A4	NOT ON SCALE	DRAWING NUMBER: Revision A	SHEET 1/7	

F

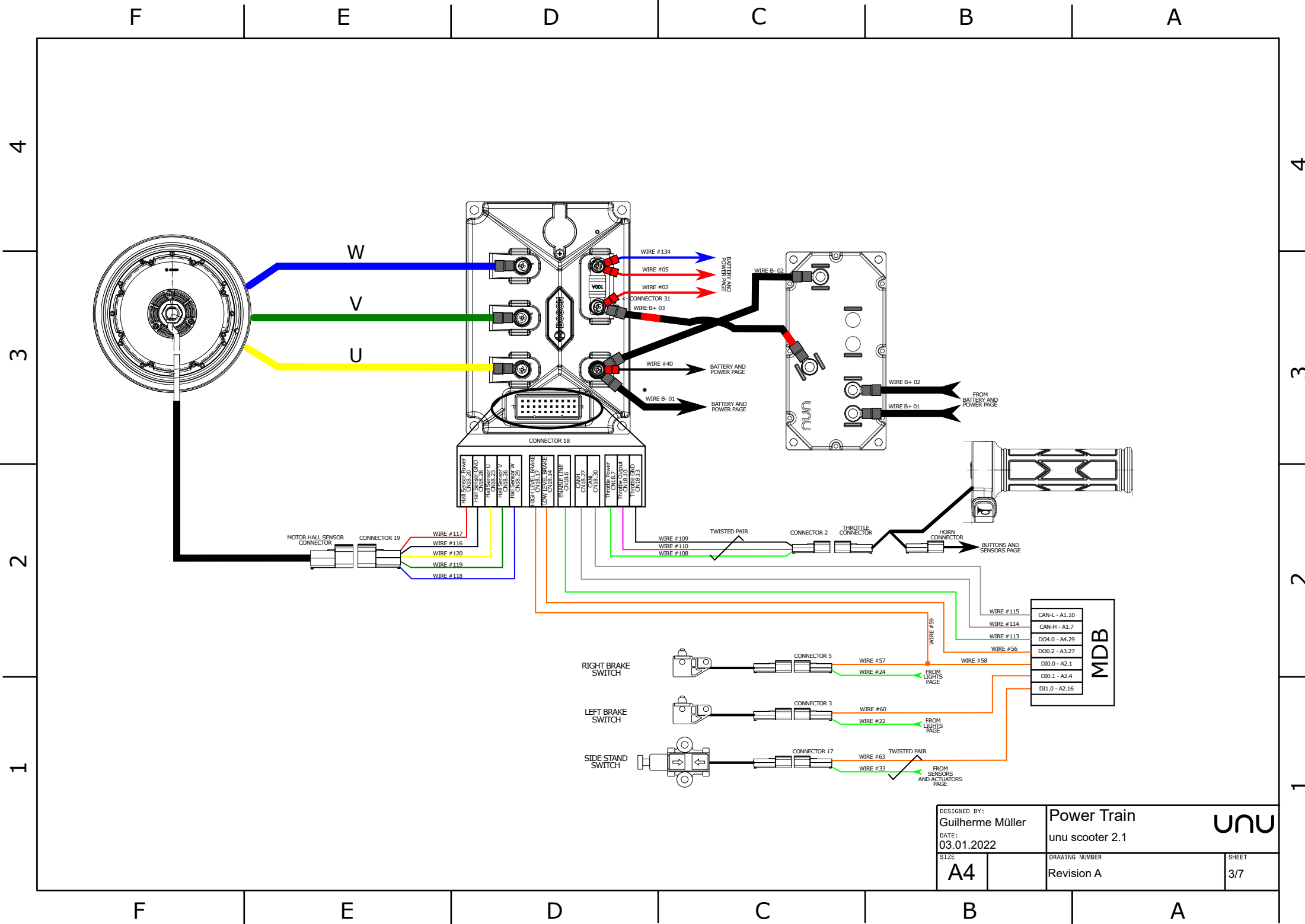
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D

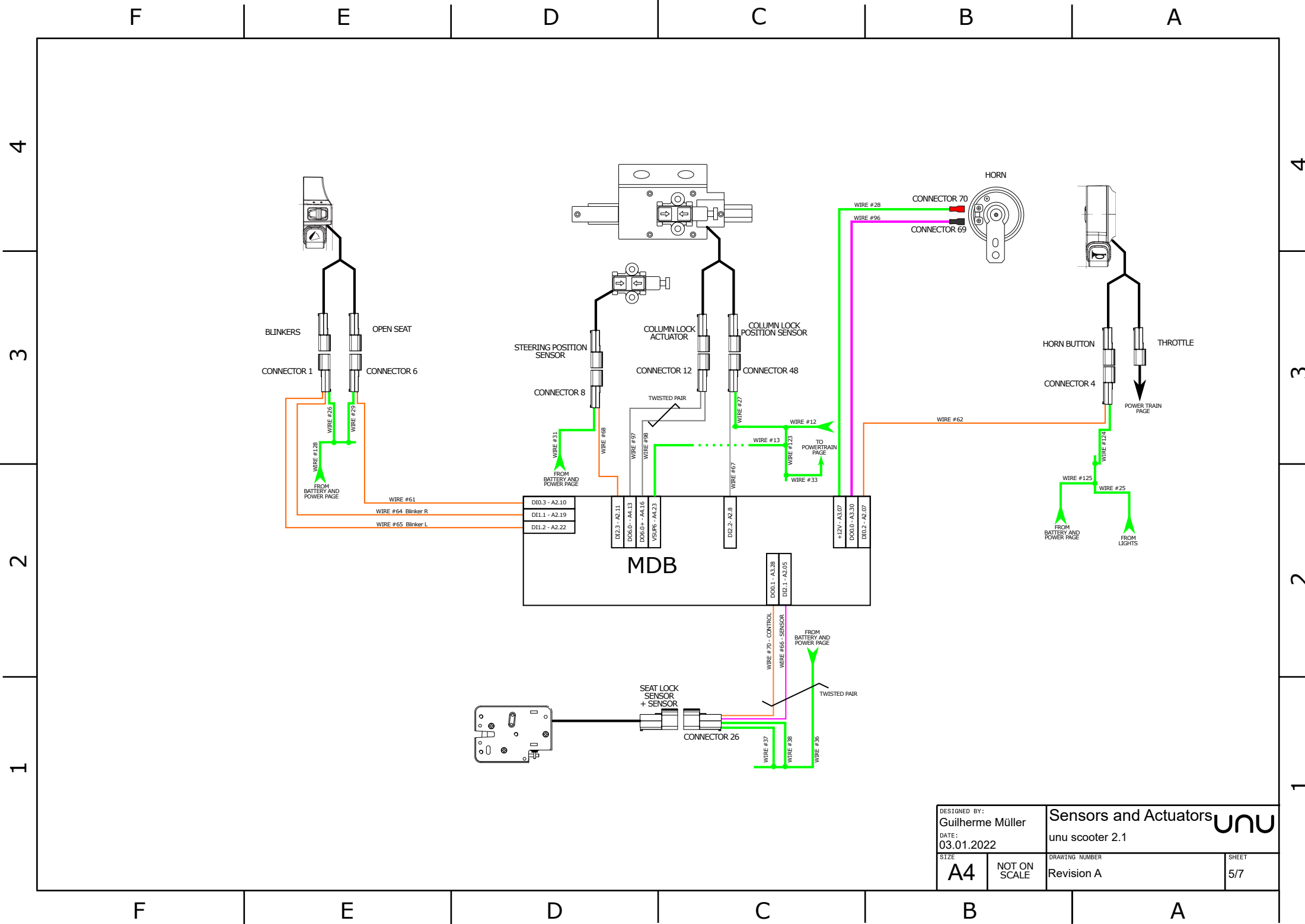
C

B

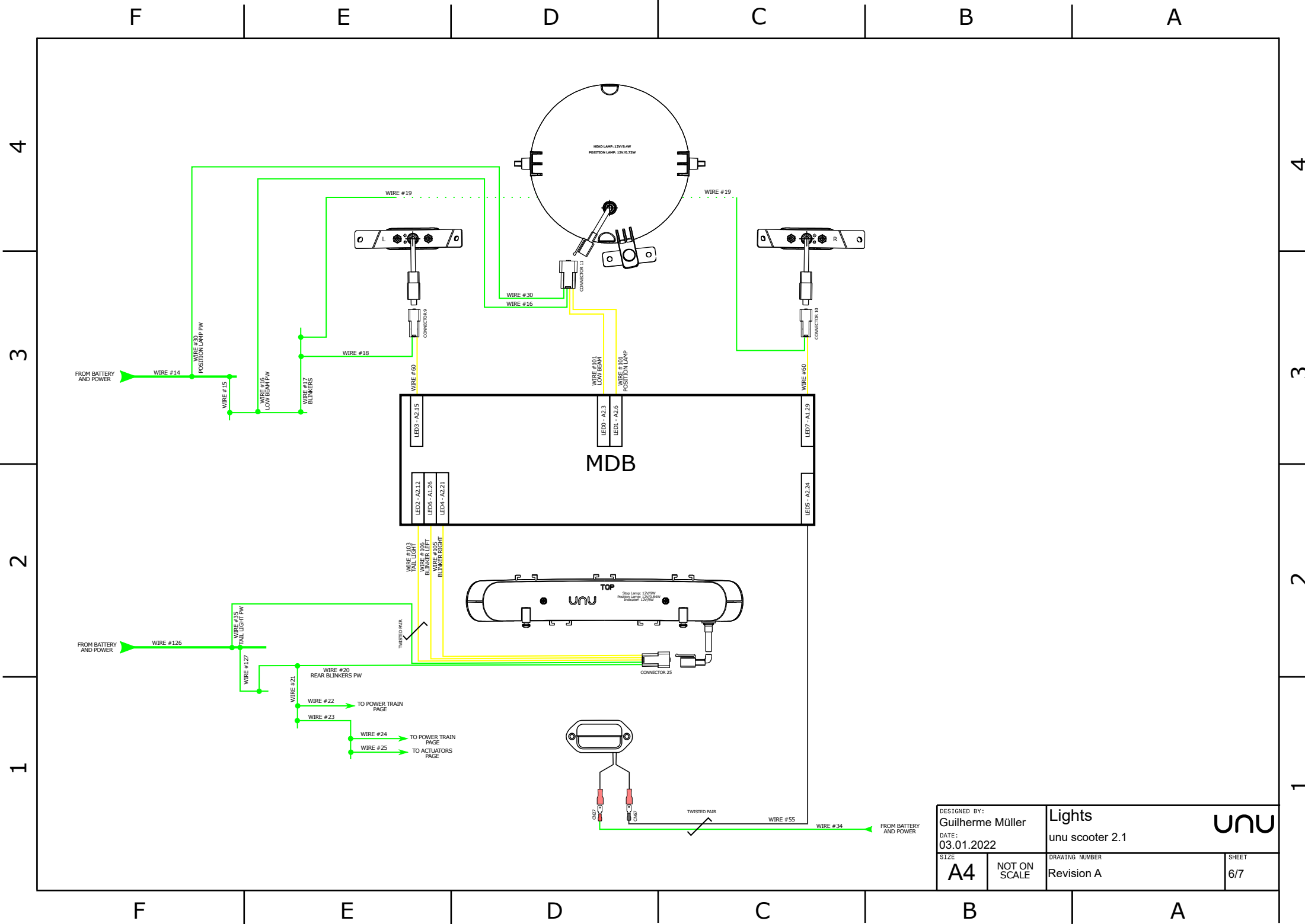
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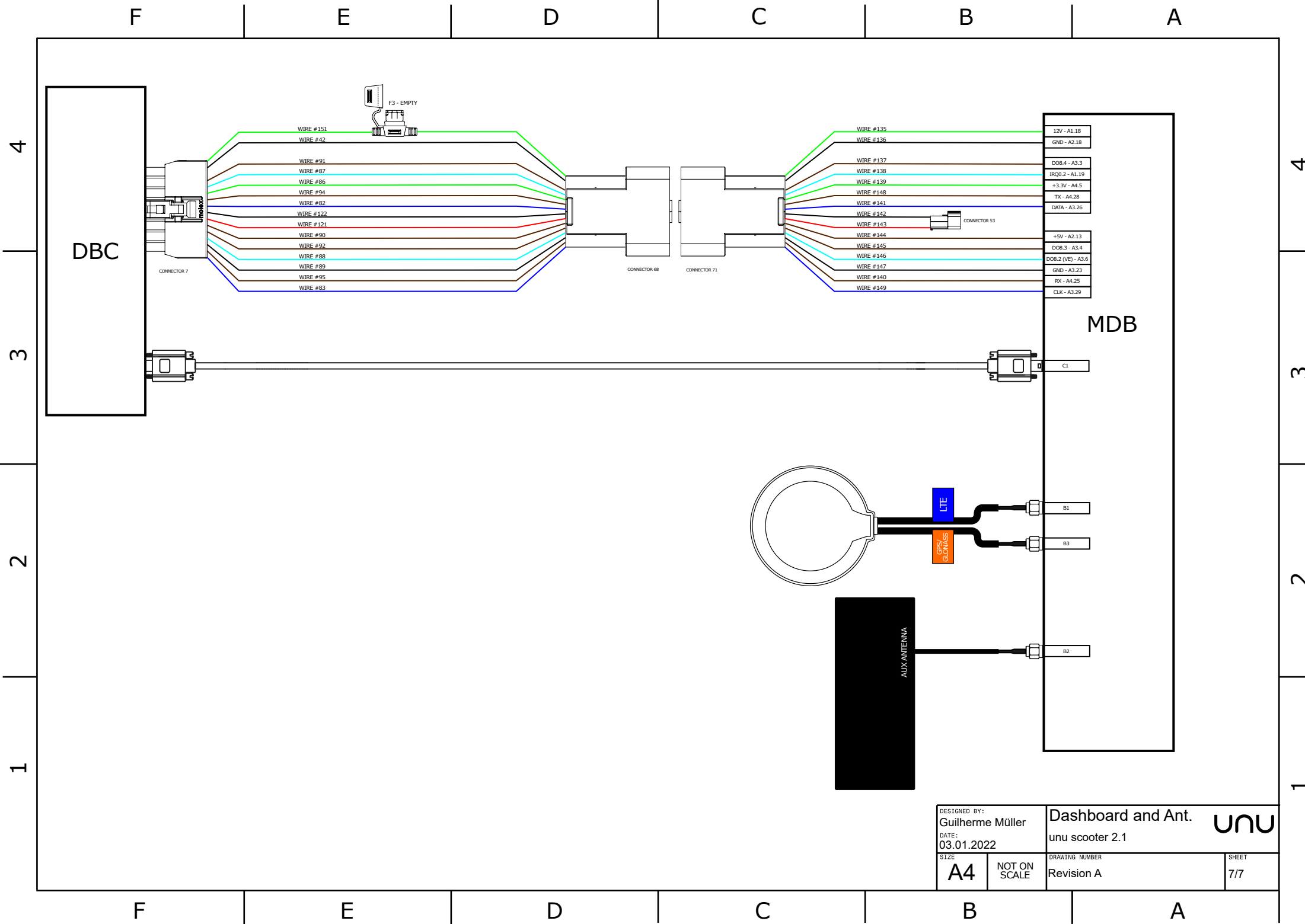
DESIGNED BY: Guilherme Müller		Power Train		unu
DATE: 03.01.2022		unu scooter 2.1		
SIZE A4	DRAWING NUMBER Revision A	SHEET 3/7		



DESIGNED BY: Guilherme Müller		Sensors and Actuators	
DATE: 03.01.2022		unu scooter 2.1	
SIZE A4	NOT ON SCALE	DRAWING NUMBER Revision A	SHEET 5/7



DESIGNED BY: Guilherme Müller		Lights		unu
DATE: 03.01.2022		unu scooter 2.1		
SIZE A4	NOT ON SCALE	DRAWING NUMBER Revision A	SHEET 6/7	



DBC

MDB

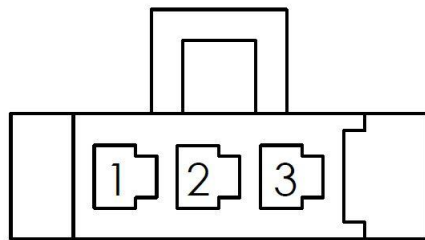
- | | | |
|-----------|-----------|-------------------|
| WIRE #151 | WIRE #135 | 12V - A1.18 |
| WIRE #42 | WIRE #136 | GND - A2.18 |
| WIRE #91 | WIRE #137 | D08.4 - A3.3 |
| WIRE #87 | WIRE #138 | IRQ0.2 - A1.19 |
| WIRE #86 | WIRE #139 | +3.3V - A4.5 |
| WIRE #94 | WIRE #148 | TX - A4.28 |
| WIRE #82 | WIRE #141 | DATA - A3.26 |
| WIRE #122 | WIRE #142 | +5V - A2.13 |
| WIRE #121 | WIRE #143 | D08.3 - A3.4 |
| WIRE #90 | WIRE #144 | D08.2 (VE) - A3.6 |
| WIRE #92 | WIRE #145 | GND - A3.23 |
| WIRE #88 | WIRE #146 | RX - A4.25 |
| WIRE #89 | WIRE #147 | CLK - A3.29 |
| WIRE #95 | WIRE #140 | |
| WIRE #83 | WIRE #149 | |

DESIGNED BY: Guilherme Müller		Dashboard and Ant.		unu
DATE: 03.01.2022		unu scooter 2.1		
SIZE A4	NOT ON SCALE	DRAWING NUMBER Revision A	SHEET 7/7	

Connector #1

Vendor P/No.	DJ7031A-2.8-21
Vendor P/Name	DJ7031A-2.8-21

Blinkers Light Signals



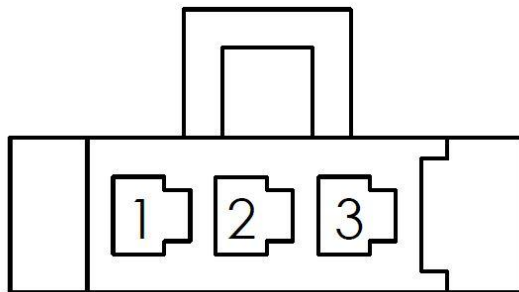
Connector Front View

Pin	Colour	Connection	Description
1	Orange	Blinker Right	Blinker Right Signal
2	Green	+13.8V Busbar-Indicator switch	+13.8VDC Blinkers Power
3	Orange	Blinker Left	Blinker Left Signal

Connector #2

Vendor P/No.	DJ7031A-2.8-21
Vendor P/Name	DJ7031A-2.8-21

Throttle Power and Signal Connector



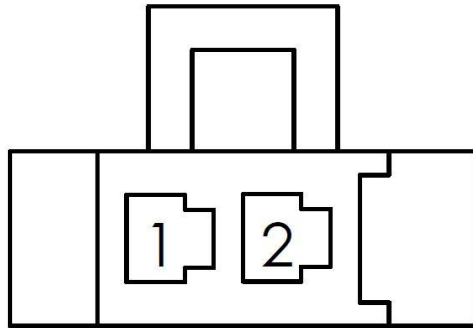
Connector Front View

Pin	Colour	Connection	Description
1	Magenta	Throttle Output	Throttle Signal Output
2	Black	Throttle GND	Throttle Module Ground
3	Green	Throttle Power	Throttle Module Power

Connector #3

Vendor P/No.	DJ7021A-2.8-21
Vendor P/Name	DJ7021A-2.8-21

Brake Left Power and Signal Connector

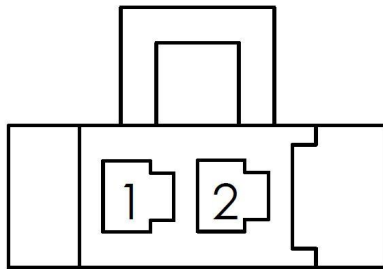


Connector Front View

Pin	Colour	Connection	Description
1	Orange	Brake Left Signal	Sensor signal reading
2	Green	+13v8 Busbar - Peripheral 1b	Side Stand sensor Power

Connector #4

Horn Power and Signal Connector



Connector Front View

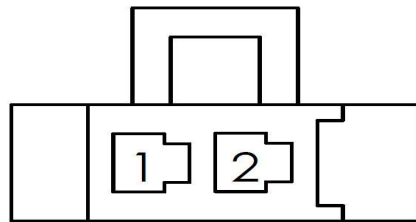
Vendor P/No.	DJ7021A-2.8-21
Vendor P/Name	DJ7021A-2.8-21

Pin	Colour	Connection	Description
1	Orange	HORN Button	Horn Button Signal
2	Green	HORN +12VDC	Horn Power

Connector #5

Vendor P/No.	DJ7021A-2.8-21
Vendor P/Name	DJ7021A-2.8-21

Right Brake Power and Signal Connector

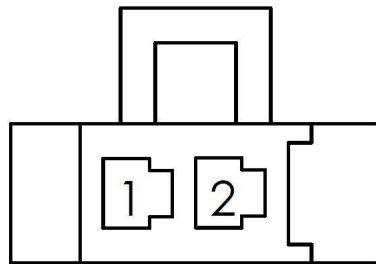


Connector Front View

Pin	Colour	Connection	Description
1	Orange	Brake Right Signal	Brake Right Signal Reading
2	Green	+13v8 Busbar - Peripheral 1d	+13.8VDC Power Line

Connector #6

Seat Lock Connector



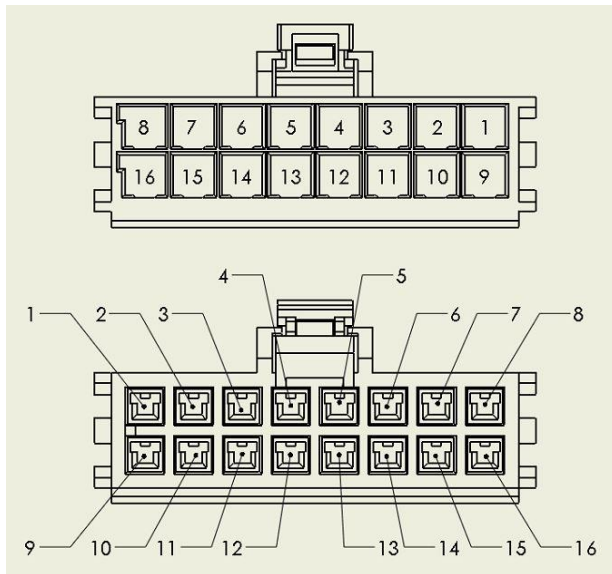
Connector Front View

Vendor P/No.	DJ7021A-2.8-21
Vendor P/Name	DJ7021A-2.8-21

Pin	Colour	Connection	Description
1	Orange	SEAT LOCK ACTIVATE	Seat Lock Signal
2	Green	+13.8V MDB-Seat lock button	+13.8VDC Seat Lock Button Power

Connector #7

Dashboard Connector



Connector Front View

Vendor P/No.	1053081216
Vendor P/Name	1053081216

Pin	Colour	Connection	Description
1	Red	+13.8V MDB-Dashboard	Dashboard Power +
2	Black	Bat-GND MDB - Dashboard	Dashboard Power -
3		<i>Not Connected</i>	
4	Blue	Dashboard GPIO1_9	Dashboard GPIO1_9 Signal
5	Green	IRQ Dashboard NFC	IRQ Dashboard NFC Signal
6	Red	+3.3V NFC Reader Dash.	NFC Reader Dashboard Power +

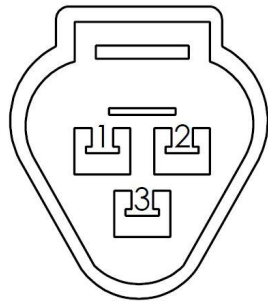
UNU Pro 2.1 Connectors Datasheet

7		Dashboard UART2_TXD	Dashboard UART2_TXD Port
8		I2C3.SDA Dash	I2C3 SDA Dashboard Signal
9		Speaker -	Speaker -
10		Speaker +	Speaker +
11		+5V Dashboard power supply	Dashboard +5V Power
12		Dashboard GPIO1_8	Dashboard GPIO1_8 Signal
13		VEN Dashboard NFC	VEN Dashboard NFC Signal
14		GND NFC Reader Dash.	NFC Reader Dashboard GND
15		Dashboard UART2_RXD	Dashboard UART2_RXD Port
16		I2C3.SCL Dash	I2C3 SCL Dashboard Signal

Connector #8

Vendor P/No.	DJ7011-6.3-21
Vendor P/Name	DJ7011-6.3-21

Steering Position Sensor Connector

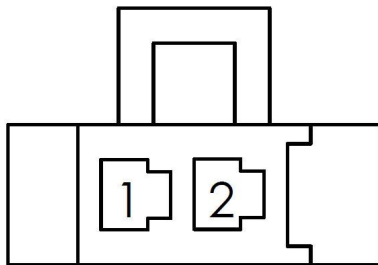


Connector Front View

Pin	Colour	Connection	Description
1	Orange	Steering position	Steering Position sensor signal
2	Green	+13.8V MDB-Steering position sensor	+13.8VDC Steering Position sensor Power
3		Not Connected	

Connector #9

Front Blinker Left Connector



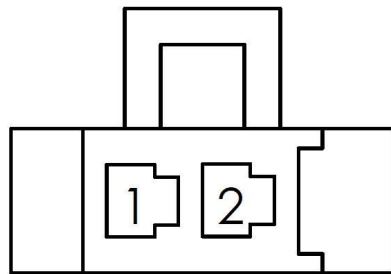
Connector Front View

Vendor P/No.	DJ7021A-2.8-21
Vendor P/Name	DJ7021A-2.8-21

Pin	Colour	Connection	Description
1	Yellow	Front blinker - Left	Front Blinker Left Signal
2	Green	+13.8V Busbar-Left front blinker	+13.8VDC Front Blinker Left Power

Connector #10

Front Blinker Right Connector



Connector Front View

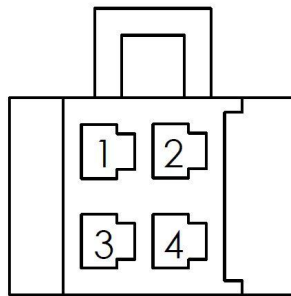
Vendor P/No.	DJ7021A-2.8-21
Vendor P/Name	DJ7021A-2.8-21

Pin	Colour	Connection	Description
1	Yellow	Front blinker - Right	Front Blinker Right Signal
2	Green	+13.8V Busbar-Right front blinker	+13.8VDC Front Blinker Right Power

Connector #11

Vendor P/No.	DJ7041A-2.8-21
Vendor P/Name	DJ7041A-2.8-21

Head and Position Lamp Connector

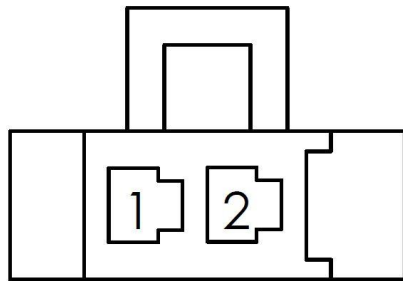


Connector Front View

Pin	Colour	Connection	Description
1	Yellow	Front light: Low beam	Low Beam Lamp Signal
2	Yellow	Front light: Position lamp	Position Lamp Signal
3	Green	+13.8V Busbar-Front light (Low beam)	+13.8VDC Font Low Beam Light Power
4	Green	+13.8V MDB-Front light (position lamp)	+13.8VDC Front Light Position Lamp Power

Connector #12

Steering Lock Connector



Connector Front View

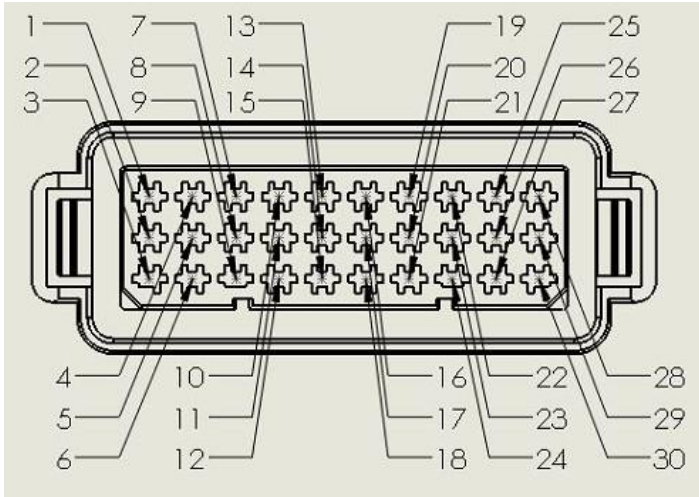
Vendor P/No.	DJ7021A-2.8-21
Vendor P/Name	DJ7021A-2.8-21

Pin	Colour	Connection	Description
1		Steering Lock +	Steering Lock Signal +
2		Steering Lock -	Steering Lock Signal -

Connector #13 (CM10 - A1)

Vendor P/No.	Connector Female 30 Pin
Vendor P/Name	Connector Female 30 Pin

MDB Connector (Female) 30 pin



Connector Front View

Pin	Colour	Connection	Description
1		+48V ECU-MDB c	MDB Power +48VDC
2		<i>Not Connected</i>	
3		+13.8V CM10-3	+13.8VDC Power Line
4		<i>Not Connected</i>	
5		<i>Not Connected</i>	
6		+13.8V CM10-6	+13.8VDC Power Line

UNU Pro 2.1 Connectors Datasheet

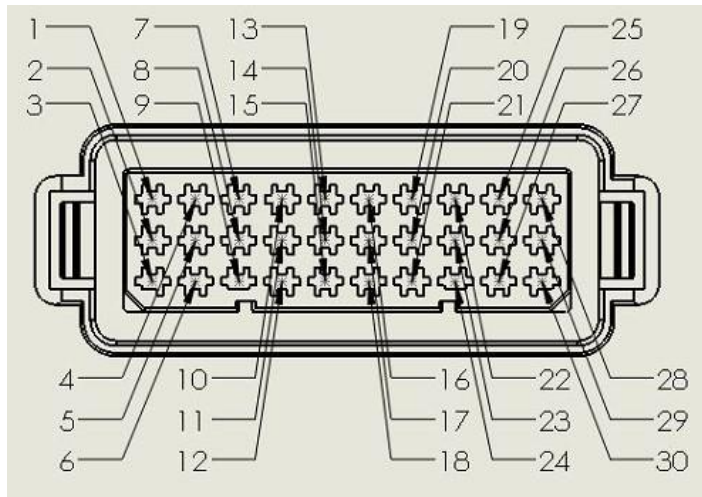
Pin	Colour	Connection	Description
7		CAN-H	Can Bus High
8		CBB SDA	CBB I2C SDA Line
9		Bat-GND Busbar-MDB1 a	Ground Connection
10		CAN-L	Can Bus Low
11		CBB SCL	CBB I2C SDA Line
12		Bat-GND Busbar-MDB1 b	Ground Connection
13		CBB +	CBB + Terminal
14		<i>Not Connected</i>	
15		+13.8V MDB - Front lights	+13.8VDC Power for front Lights
16		CBB -	CBB - Terminal
17		<i>Not Connected</i>	
18		+13.8V MDB-Dashboard	+13.8VDC MDB Dashboard

Pin	Colour	Connection	Description
19		IRQ Dashboard NFC	NFC Dashboard IRQ Line
20		<i>Not Connected</i>	
21		??	Info missing in wiring BOM Document
22		<i>Not Connected</i>	
23		<i>Not Connected</i>	
24		Aux. Battery + FUSE	Aux Battery + Line (FUSE)
25		<i>Not Connected</i>	
26		Rear blinker - Left	Rear Blinker - Left Signal
27		Aux. Battery -	Aux Battery - Line (FUSE)
28		<i>Not Connected</i>	
29		Front blinker - Right	Front Blinker - Right Signal
30		<i>Not Connected</i>	

Connector #14 (CM9 - A2)

Vendor P/No.	Connector Female 30 Pin
Vendor P/Name	Connector Female 30 Pin

MDB Connector (Female) 30 pin



Connector Front View

Pin	Colour	Connection	Description
1	Orange	BRAKE RIGHT b	Brake Right b Signal
2		<i>Not Connected</i>	
3	Yellow	Front light: Low beam	Front Light: Low Beam Control
4	Orange	BRAKE LEFT	Brake Left Signal
5	Purple	Seatbox Sensor	Seatbox Sensor Signal
6	Yellow	Front light: Position lamp	Position Lamp Control

UNU Pro 2.1 Connectors Datasheet

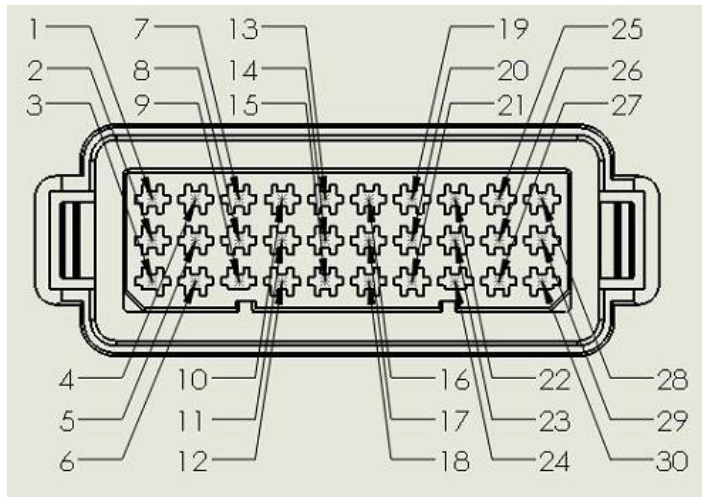
Pin	Colour	Connection	Description
7	Orange	HORN LEFT	Horn Button Signal
8	Grey	Steer. Lock Sens.-MDB	Steering Lock Sensor Signal
9		<i>Not Connected</i>	
10	Orange	SEAT LOCK ACTIVATE	Seat Lock Signal
11	Orange	Steering position	Steering Position Signal
12	Yellow	Stop/Tail Light	Stop Light Signal
13	Dark Red	+5V Dashboard Power Supply	5VDC Dashboard Power
14		<i>Not Connected</i>	
15	Yellow	Front blinker - Left	Font Blinker - Left Signal
16	Orange	SIDE STAND	Side Stand Signal
17		<i>Not Connected</i>	
18	Black	Bat-GND MDB - DASH	Ground Connection

Pin	Colour	Connection	Description
19	Orange	BLINKER RIGHT	Blinker Right Signal
20		<i>Not Connected</i>	
21	Yellow	Rear blinker - Right	Rear Blinker Signal
22	Orange	BLINKER LEFT	Blinker Left Signal
23	Red	Charger Attached	Charger Attached Signal
24	Black	Bat-GND MDB-Licence plate light	Ground Connection
25		<i>Not Connected</i>	
26		<i>Not Connected</i>	
27	Black	Bat-GND Busbar-MDB2 a	Ground Connection
28	Black	Bat-GND Busbar-MDB2 b	Ground Connection
29	Black	Bat-GND Busbar-MDB3 a	Ground Connection
30	Black	Bat-GND Busbar-MDB3 b	Ground Connection

Connector #15 (CM1 - A3)

Vendor P/No.	Connector Female 30 Pin
Vendor P/Name	Connector Female 30 Pin

MDB Connector (Female) 30 pin



Connector Front View

Pin	Colour	Connection	Description
1		<i>Not Connected</i>	
2	Black	Bat-GND Busbar-MDB4 a	Busbar GND
3	Red	Dashboard GPIO1_9	Dashboard GPIO1_9 Line
4	Red	Dashboard GPIO1_8	Dashboard GPIO1_8 Line
5		<i>Not Connected</i>	
6	Cyan	VEN Dashboard NFC	Dashboard NFC Line

UNU Pro 2.1 Connectors Datasheet

Pin	Colour	Connection	Description
7	Red	+13.8V MDB-Horn	+13.8VDC MDB - Horn Power Line
8		<i>Not Connected</i>	
9	Red	+13.8V MDB-Seat lock button	+13.8VDC MDB - Seat Lock Power Line
10	Red	+13.8V MDB-Steering position sensor	+13.8VDC Steering sensor Power Line
11	Black	Bat-GND Busbar-MDB4 b	GND Connection
12	Red	+13.8V Busbar-Steering Lock	+13.8VDC Steering Lock Power Line
13	Red	Brakes +12V (pin18 on the MDB)	+12VDC Brakes Power Line
14		<i>Not Connected</i>	
15	Red	+13.8V MDB-Licence plate light	+13.8VDC Power for Licence Plate Light

Pin	Colour	Connection	Description
19		<i>Not Connected</i>	
20	Black	Bat-GND Busbar-MDB5 a	GND Connection
21		<i>Not Connected</i>	
22		<i>Not Connected</i>	
23	Black	GND NFC Reader Dash.	GND Connection
24		<i>Not Connected</i>	
25	Orange	CBB Disable Line (WK)	CBB Disable Line Signal
26	Blue	I2C3.SDA Dash	I2C3 BUS SDA Dashboard
27	Orange	ECU-Brake	ECU Brake Signal

UNU Pro 2.1 Connectors Datasheet

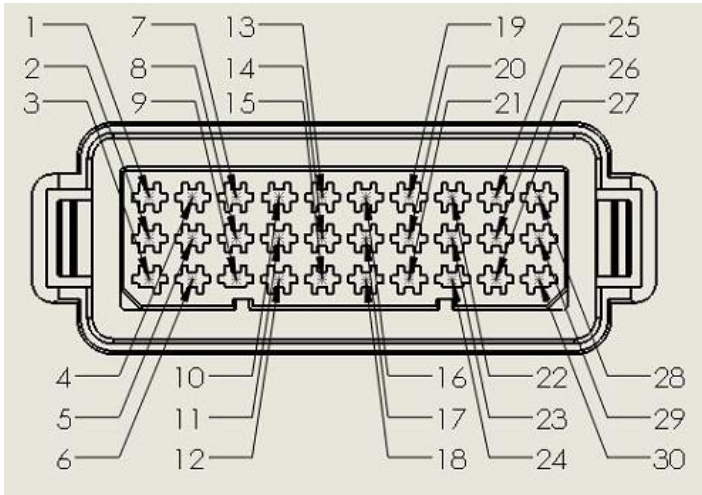
16		+13.8V Peripherals and Rear branch	+13.8VDC Peripherals and Rear Branch
17		Bat-GND Busbar-MDB5 b	GND Connection
18		+13.8V MDB-Seat lock a	+13.8VDC MDB Seat Lock a

28		Seat lock control	Seat Lock Control Signal
29		I2C3.SCL Dash	I2C3 BUS SDA Dashboard
30		Horn	Horn Signal MDB

Connector #16 (CM3 - A4)

Vendor P/No.	Connector Female 30 Pin
Vendor P/Name	Connector Female 30 Pin

MDB Connector (Female) 30 pin



Connector Front View

Pin	Colour	Connection	Description
1	Black	Bat-GND Busbar-MDB6 a	GND Connection
2	Black	GND NFC Reader Batt. 2	GND Connection
3	Black	GND NFC Reader Batt. 1	GND Connection
4	Black	Bat-GND Busbar-MDB6 b	GND Connection
5	Green	+3.3V NFC Reader Dash.	+3.3VDC NFC Reader Dashboard Power
6	Green	+3.3V NFC Reader Batt. 1 + Batt. 2 a	+3.3VDC NFC Reader Batt.1 / Batt.2 Power

UNU Pro 2.1 Connectors Datasheet

Pin	Colour	Connection	Description	Pin	Colour	Connection	Description
7		<i>Not Connected</i>		19		<i>Not Connected</i>	
8		I2C2.SDA NFC Reader Batt. 2	I2C2 Bus SDA NFC Reader Batt.2	20		<i>Not Connected</i>	
9		I2C1.SDA NFC Reader Batt. 1	I2C2 Bus SDA NFC Reader Batt.1	21		<i>Not Connected</i>	
10		<i>Not Connected</i>		22		<i>Not Connected</i>	
11		I2C2.SCL NFC Reader Batt. 2	I2C2 Bus SCL NFC Reader Batt.2	23		+13.8V CM3-23	+13.8VDC Power
12		I2C1.SCL NFC Reader Batt. 1	I2C2 Bus SCL NFC Reader Batt.1	24		<i>Not Connected</i>	
13		Steering Lock -	Steering Lock Control - (Twisted Pair)	25		Dashboard UART2_RXD	UART2 Port RXD Dashboard
14		IRQ NFC Reader Batt. 2	IRQ Signal NFC Reader Batt.2	26		<i>Not Connected</i>	
15		IRQ NFC Reader Batt. 1	IRQ Signal NFC Reader Batt.1	27		+48V ECU-MDB b	+48VDC Power ECU / MDB

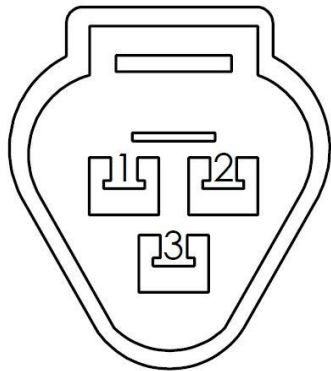
UNU Pro 2.1 Connectors Datasheet

16		Steering Lock +	Steering Lock Control + (Twisted Pair)	28		Dashboard UART2_TXD	UART2 Port TXD Dashboard
17		VEN NFC Reader Batt. 2	VEN NFC Reader Batt. 2 Signal	29		ECU-Power Switch	ECU-Power Switch
18		VEN NFC Reader Batt. 1	VEN NFC Reader Batt. 1 Signal	30		<i>Not Connected</i>	

Connector #17

Vendor P/No.	DJ7031Y-2.3-21
Vendor P/Name	DJ7031Y-2.3-21

Side Stand Sensor Power and Signal Connector

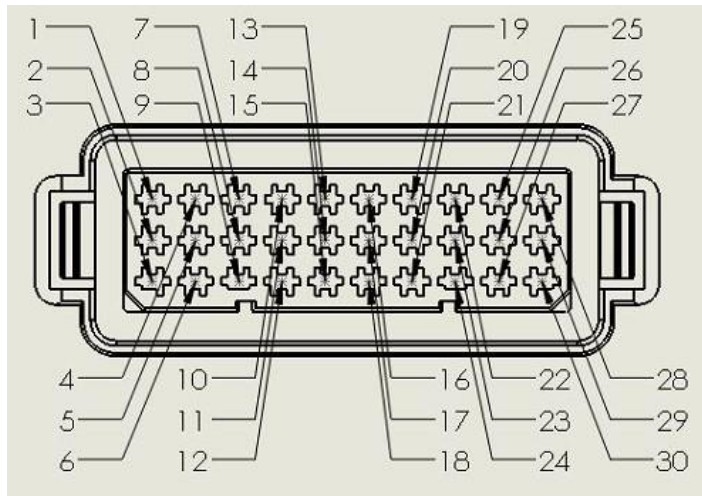


Connector Front View

Pin	Colour	Connection	Description
1	Orange	Side Stand Signal	Sensor Signal Reading
2	Green	+13v8 MDB - Side stand	+13.8VDC Side Stand Power Line
3		Not Connected	

Connector #18 (ECU)

MDB Connector (Female) 30 pin



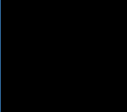








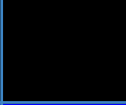


Connector Front View

Vendor P/No.	Connector Female 30 Pin
Vendor P/Name	Connector Female 30 Pin

Pin	Colour	Connection	Description
1		Not Connected	
2		Not Connected	
3		Not Connected	
4		Not Connected	
5		Not Connected	
6		ECU-Power Switch	ECU Power Switch

UNU Pro 2.1 Connectors Datasheet

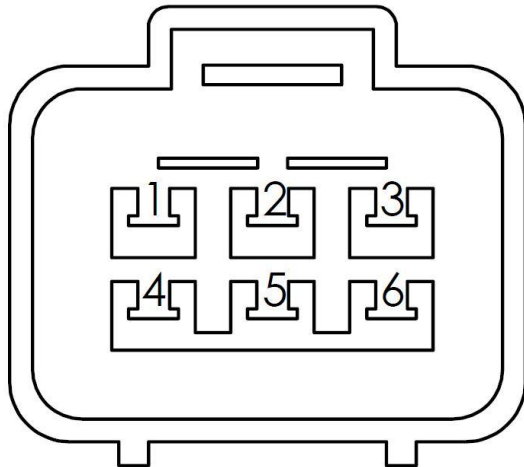
Pin	Colour	Connection	Description
7		Throttle power	Throttle Power Line
8		<i>Not Connected</i>	
9		<i>Not Connected</i>	
10		Throttle output	Throttle Output Signal
11		<i>Not Connected</i>	
12		<i>Not Connected</i>	
13		Throttle GND	Throttle GND Connection
14		ECU-Brake	ECU Brake Signal
15		<i>Not Connected</i>	
16		<i>Not Connected</i>	
17		BRAKE RIGHT c	Brake Right c Signal
18		<i>Not Connected</i>	

Pin	Colour	Connection	Description
19		<i>Not Connected</i>	
20		Hall sensor power	Hall Sensor Module Power Line
21		<i>Not Connected</i>	
22		<i>Not Connected</i>	
23		Hall sensor U	Hall Sensor U Signal
24		<i>Not Connected</i>	
25		<i>Not Connected</i>	
26		Hall sensor V	Hall Sensor V Signal
27		CAN-H	CAN-H Bus
28		Hall sensor GND	Hall Sensor GND Connection
29		Hall sensor W	Hall Sensor W Signal
30		CAN-L	CAN-L Bus

Connector (#19)

Vendor P/No.	DJ7061Y-2.3-21
Vendor P/Name	DJ7061Y-2.3-21

Motor Hall Sensors to ECU Connector

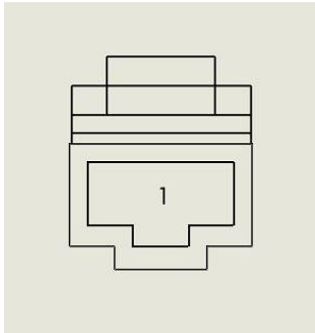


Connector Front View

Pin	Colour	Connection	Description
1	Black	Hall Sensor GND	Ground Connection
2		<i>Not connected</i>	
3	Red	Hall Sensor Power	Hall Sensor Module Power Line
4	Blue	Hall Sensor W	W Sensor Signal Reading
5	Green	Hall Sensor V	V Sensor Signal Reading
6	Yellow	Hall Sensor U	U Sensor Signal Reading

Connector #20

DC/DC Converter Power Input



Connector Front View

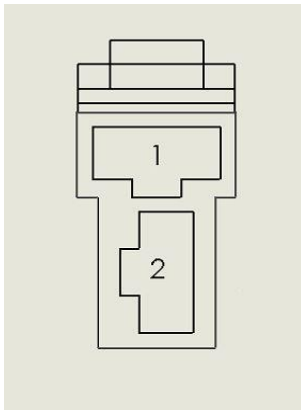
Vendor P/No.	DJ7011-6.3-21
Vendor P/Name	DJ7011-6.3-21

Pin	Colour	Connection	Description
1		+48VDC ECU	DC/DC Converter input power

Connector #21

Vendor P/No.	DJ7021-6.3-21
Vendor P/Name	DJ7021-6.3-21

Power Connector output DC/DC Converter



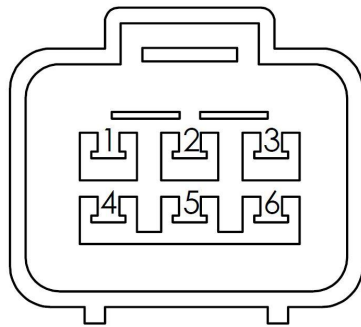
Connector Front View

Pin	Colour	Connection	Description
1	Green	+13.8V DC/DC-Fuse box	DC/DC Output Power
2	Black	Bat-GND Busbar- DC/DC	GND Connection

Connector #22

Vendor P/No.	DJ7061Y-2.3-21
Vendor P/Name	DJ7061Y-2.3-21

NFC1 Module Connector



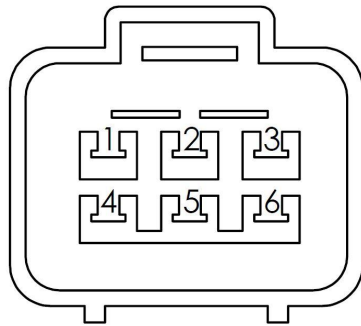
Connector Front View

Pin	Colour	Connection	Description
1	Green	+3.3V NFC Reader Batt.1 + Batt. 2 b	+3.3VDC NFC Modules Power
2	Cyan	IRQ NFC Reader Batt. 1	IRQ Signal NFC Reader Batt.1
3	Cyan	I2C1.SDA NFC Reader Batt. 1	I2C1 Bus SDA Line Reader Batt1
4	Black	GND NFC Reader Batt. 1	Ground Connection
5	Cyan	VEN NFC Reader Batt. 1	VEN NFC Reader Batt.1 Line
6	Cyan	I2C1.SCL NFC Reader Batt. 1	I2C1 Bus SCL Line Reader Batt.1

Connector #23

Vendor P/No.	DJ7061Y-2.3-21
Vendor P/Name	DJ7061Y-2.3-21

NFC2 Module Connector

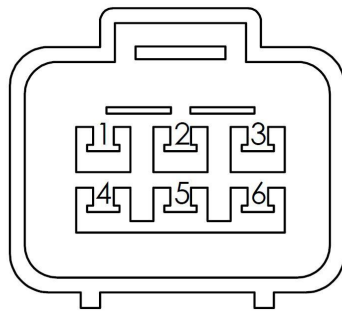


Connector Front View

Pin	Colour	Connection	Description
1	Green	+3.3V NFC Reader Batt. 1 + Batt. 2 c	+3.3VDC NFC Reader Power
2	Cyan	IRQ NFC Reader Batt. 2	IRQ NFC Reader Batt.2 Signal
3	Cyan	I2C2.SDA NFC Reader Batt. 2	I2C2 Bus SDA NFC Reader 2
4	Black	GND NFC Reader Batt. 2	Ground Connection
5	Cyan	VEN NFC Reader Batt. 2	VEN NFC Reader Batt.2 Signal
6	Cyan	I2C2.SCL NFC Reader Batt. 2	I2C2 Bus SCL NFC Reader 2

Connector #25

Stop / Tail Light Connector



Connector Front View

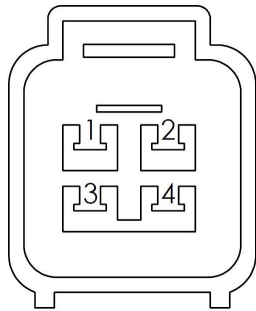
Vendor P/No.	DJ7061Y-2.3-21
Vendor P/Name	DJ7061Y-2.3-21

Pin	Colour	Connection	Description
1	Yellow	Stop/Tail Light	Stop Tail Light Signal
2	Yellow	Rear blinker - Left	Rear Blinker Left Signal
3	Yellow	Rear blinker - Right	Rear Blinker Right Signal
4	Green	+13.8V MDB-Rear light (Stop/tail)	+13.8VDC Rear Light Stop/ Tail Power
5	Green	+13.8V Busbar-Rear blinkers	+13.8VDC Rear Blinkers Power
6		Not Connected	

Connector #26

Vendor P/No.	DJ7041Y-2.3-21
Vendor P/Name	DJ7041Y-2.3-21

Seatbox Sensor / Actuator Connector

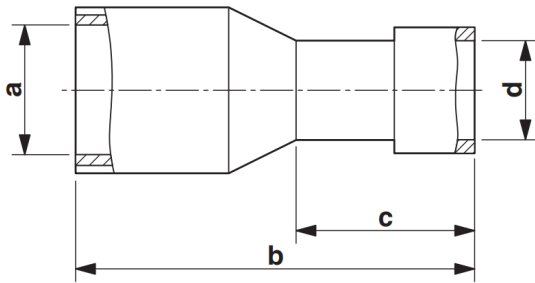


Connector Front View

Pin	Colour	Connection	Description
1	Orange	Seat lock control	Seatbox Lock Control Actuator signal
2	Magenta	Seatbox Sensor	Seatbox Sensor Signal
3	Green	+13.8V MDB-Seat lock b	+13.8VDC Seatbox Module Power
4	Green	+13.8V MDB-Seat lock c	+13.8VDC Seatbox Module Power

Connector #42

AUX Battery B- terminal connector



Connector Front View

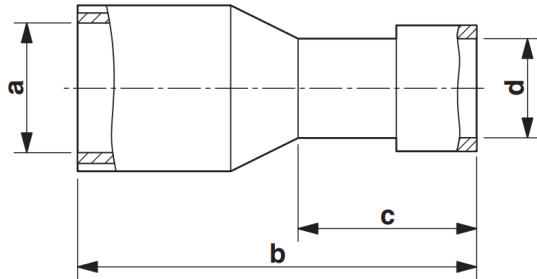
Vendor P/No.	Female spade terminal 6.3mm - 1.31mm ²
Vendor P/Name	Female spade terminal 6.3mm - 1.31mm ²

Pin	Colour	Connection	Description
1		AUX Battery B -	Connection of negative Pole of AUX Battery

Connector #43

Vendor P/No.	Female spade terminal 6.3mm - 1.31mm ²
Vendor P/Name	Female spade terminal 6.3mm - 1.31mm ²

AUX Battery B+ terminal connector

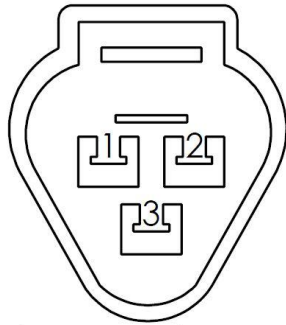


Connector Front View

Pin	Colour	Connection	Description
1		Aux. Battery Fuse	Aux. Battery Fuse

Connector #48

DC/DC Converter Power Input



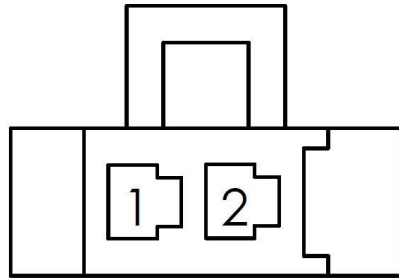
Connector Front View

Vendor P/No.	DJ7031Y-2.3-21
Vendor P/Name	DJ7031Y-2.3-21

Pin	Colour	Connection	Description
1		+13.8V Busbar-Steering Lock	+13.8VDC Steering Lock Power
2		Steer. Lock Sens.- MDB	Steering Lock sensor signal
3		<i>Not Connected</i>	

Connector #53

Speaker Connector



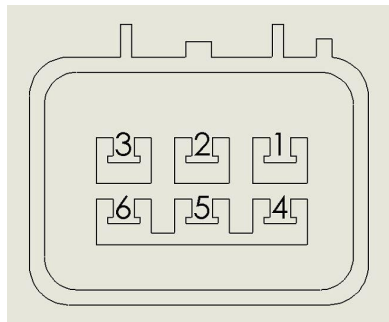
Connector Front View

Vendor P/No.	DJ7021A-2.8-21
Vendor P/Name	DJ7021A-2.8-21

Pin	Colour	Connection	Description
1	Black	Speaker -	Speaker - Signal
2	Red	Speaker +	Speaker + Signal

Connector #63

CBB Module Connector



Connector Front View

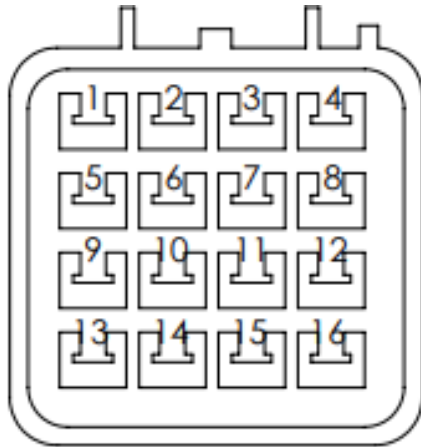
Vendor P/No.	DJ7061Y-2.3-11
Vendor P/Name	DJ7061Y-2.3-11

Pin	Colour	Connection	Description
1	Red	CBB WK	CBB Wake Up Line
2	Black	CBB SCL	CBB I2C Bus SCL Line
3	Blue	CBB GH+	CBB GH+ Power Line
4	Blue	CBB GND	Ground Connection
5	Blue	CBB SDA	CBB I2C Bus SDA Line
6	Blue	CBB P+	CBB P+ Line

Connector #68

Vendor P/No.	DJ7167Y-1.8-11/21 Male
Vendor P/Name	DJ7167Y-1.8-11/21 Male


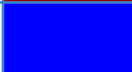




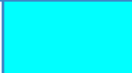



Dashboard to MDB Connector (Male)



Connector Front View

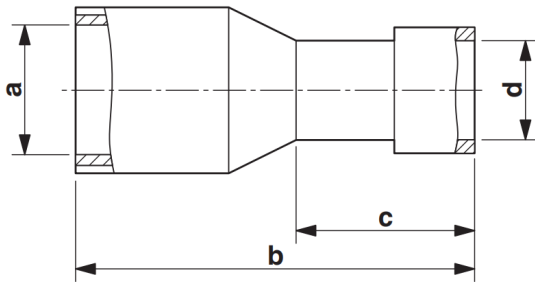
Pin	Colour	Connection	Description
1	Green	+13.8V MDB-Dashboard	+13.8VDC Dashboard Power +
2	Black	Bat-GND MDB - Dashboard	Dashboard Power -
3		Not Connected	
4	Red	Dashboard GPIO1_9	Dashboard GPIO1_9 Signal
5	Cyan	IRQ Dashboard NFC	IRQ Dashboard NFC Signal
6	Green	+3.3V NFC Reader Dash.	+3.3 VDC NFC Reader Dashboard Power

UNU Pro 2.1 Connectors Datasheet

7		Dashboard UART2_TXD	Dashboard UART2_TXD Port
8		I2C3.SDA Dash	I2C3 SDA Dashboard Signal
9		Speaker -	Speaker -
10		Speaker +	Speaker +
11		+5V Dashboard power supply	Dashboard +5V Power
12		Dashboard GPIO1_8	Dashboard GPIO1_8 Signal
13		VEN Dashboard NFC	VEN Dashboard NFC Signal
14		GND NFC Reader Dash.	NFC Reader Dashboard GND
15		Dashboard UART2_RXD	Dashboard UART2_RXD Port
16		I2C3.SCL Dash	I2C3 SCL Dashboard Signal

Connector #69

Horn Signal Connector



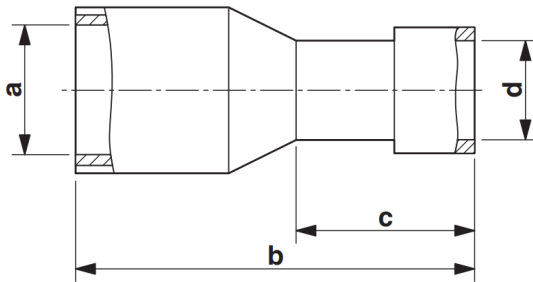
Connector Front View

Vendor P/No.	Female spade terminal 6.3mm - 0.52mm ²
Vendor P/Name	Female spade terminal 6.3mm - 0.52mm ²

Pin	Colour	Connection	Description
1		Horn	Horn Signal

Connector #70

Horn Power Connector



Connector Front View

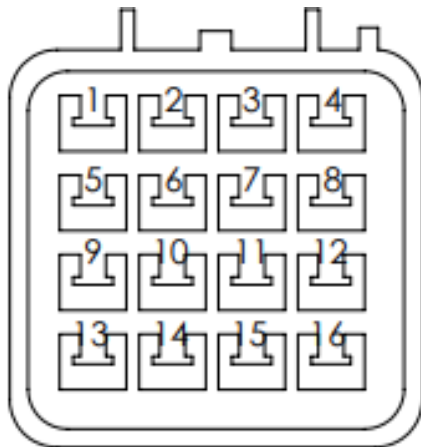
Vendor P/No.	Female spade terminal 6.3mm - 0.52mm ²
Vendor P/Name	Female spade terminal 6.3mm - 0.52mm ²

Pin	Colour	Connection	Description
1		+13.8V MDB-Horn	+13.8VDC Horn Power Line

Connector #71

Vendor P/No.	DJ7167Y-1.8-11/21 Female
Vendor P/Name	DJ7167Y-1.8-11/21 Female






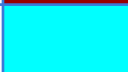



Dashboard to MDB Connector (Female)



Connector Front View

Pin	Colour	Connection	Description
1	Green	+13.8V MDB-Dashboard	+13.8VDC Dashboard Power
2	Black	Bat-GND MDB - Dashboard	Ground Connection
3		Not Connected	
4	Red	Dashboard GPIO1_9	Dashboard GPIO1_9 Signal
5	Cyan	IRQ Dashboard NFC	IRQ Dashboard NFC Signal
6	Green	+3.3V NFC Reader Dash.	+3.3VDC NFC Reader Dashboard Power +
7	Red	Dashboard UART2_TXD	Dashboard UART2_TXD Port

UNU Pro 2.1 Connectors Datasheet

8		I2C3.SDA Dash	I2C3 SDA Dashboard Signal
9		Speaker -	Speaker -
10		Speaker +	Speaker +
11		+5V Dashboard power supply	Dashboard +5V Power
12		Dashboard GPIO1_8	Dashboard GPIO1_8 Signal
13		VEN Dashboard NFC	VEN Dashboard NFC Signal
14		GND NFC Reader Dash.	NFC Reader Dashboard GND
15		Dashboard UART2_RXD	Dashboard UART2_RXD Port
16		I2C3.SCL Dash	I2C3 SCL Dashboard Signal