

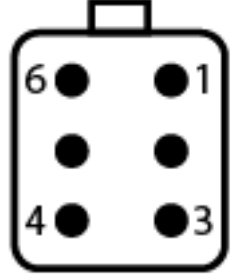
PD1 - Deutsch 12p Female

Cavity	To	Color	Markings	Purpose	Size
1	X				
2	SS2.4	White		Sheepstation +	2.5mm ²
3	SS2.3	Red		Sheepstation -	2.5mm ²
4	SS2.2	White	Blue	DC-DC Con. +	2.5mm ²
5	SS2.1	Blue		DC-DC Con. -	2.5mm ²
6	A1.2	Red	Green	Amp +	2.5mm ²
7	A1.1	Blue	Green	Amp -	2.5mm ²
8	U1.5	White	Black	USB -	2.5mm ²
9	U1.4	Red	Black	USB +	2.5mm ²
10	U1.3	Red	Black, White	USB +	2.5mm ²
11	U1.2	Blue	Black	USB +	2.5mm ²
12	U1.1	Blue	Black, White	USB +	2.5mm ²

U1 - Deutsch 6p Female

Cavity	To	Color	Markings	Purpose	Size
1	PD1.12	Blue	Black, White	USB +	2.5mm ²
2	PD1.11	Blue	Black	USB +	2.5mm ²
3	PD1.10	Red	Black, White	USB +	2.5mm ²
4	PD1.9	Red	Black	USB +	2.5mm ²
5	PD1.8	White	Black	USB -	2.5mm ²
6	X				

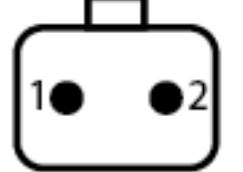
6 Pin - Female
Back View



A1 - Deutsch 2p Female

Cavity	To	Color	Markings	Purpose	Size
1	PD1.7	Blue	Green	Amp -	2.5mm ²
2	PD1.6	Red	Green	Amp +	2.5mm ²

2 Pin - Female
Back View



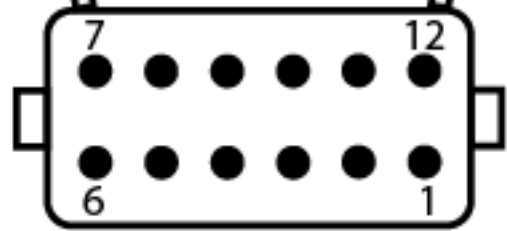
4 Pin - Female
Back View



A2 - Deutsch 4p Female

Cavity	To	Color	Markings	Purpose	Size
1	S1.2	Red	Blue	Speaker1 +	2.5mm ²
2	S1.3	Red	Blue, Black	Speaker1 -	2.5mm ²
3	S2.2	Blue	Red	Speaker2 +	2.5mm ²
4	S2.3	Blue	Red, Black	Speaker2 -	2.5mm ²

12 Pin - Female
Back View



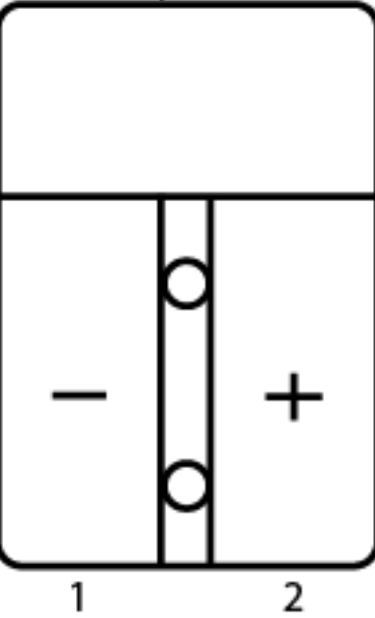
POWER DISTRO BOX

USB CHARGERS BOX

AMPLIFIER BOX

SHEEPSSTATION BOX

Anderson - 50A
Top View



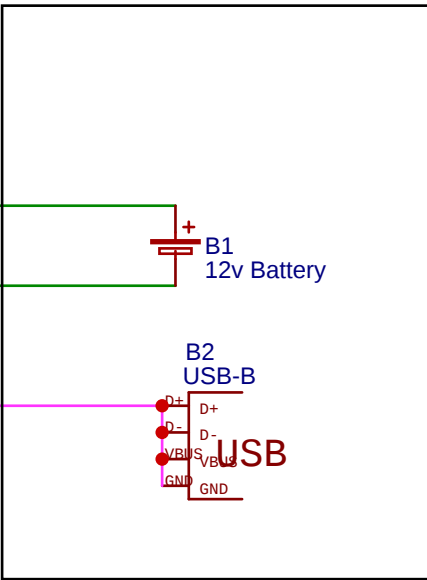
PD2 - Anderson 50A

Cavity	To	Color	Markings	Purpose	Size
1	B1.1			Battery -	
2	B1.2			Battery +	

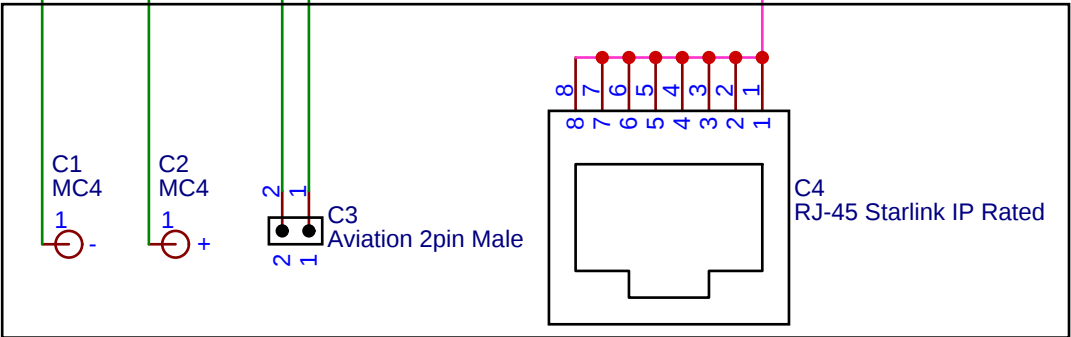
PD3 - Anderson 50A

Cavity	To	Color	Markings	Purpose	Size
1	C1	Green, Yellow		Solar -	4.0mm ²
2	C2	Green, Yellow	Blue	Solar +	4.0mm ²

BATTERY



CAM BOX

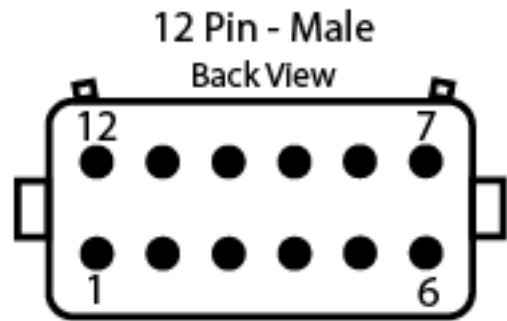
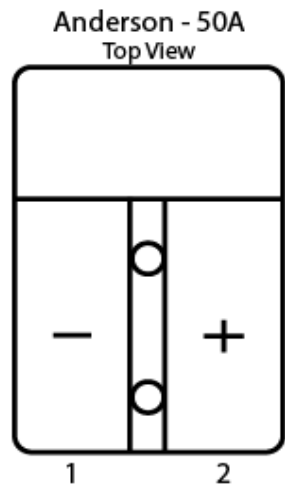


S2 Aviation 3pin Male

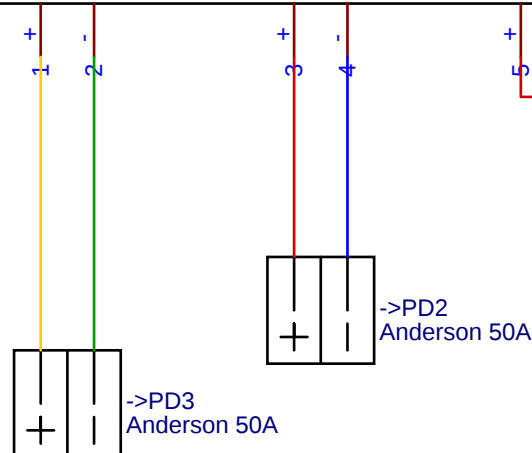
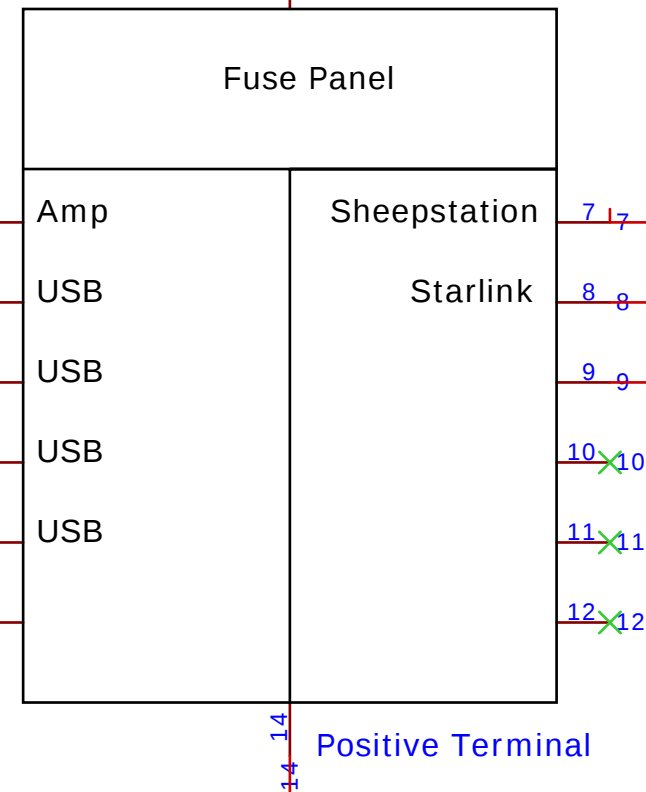
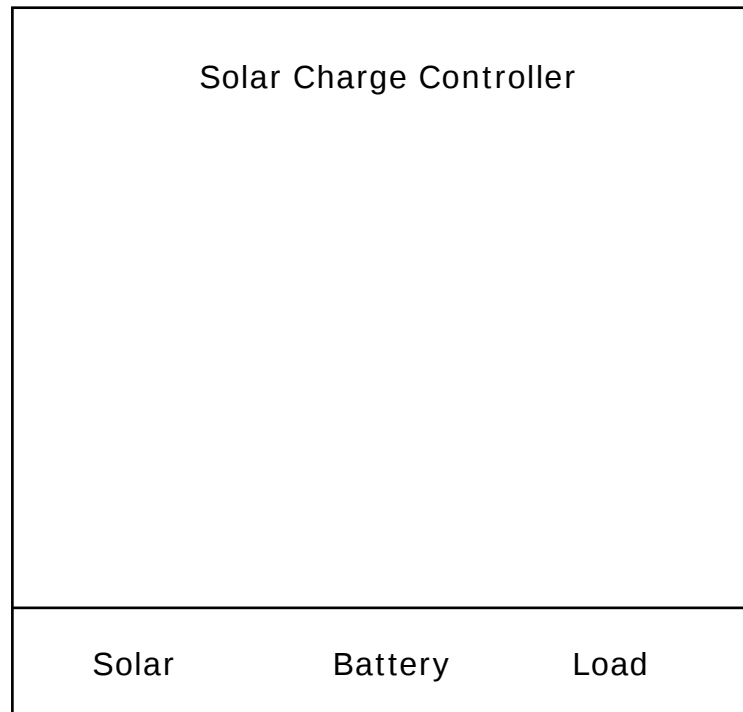
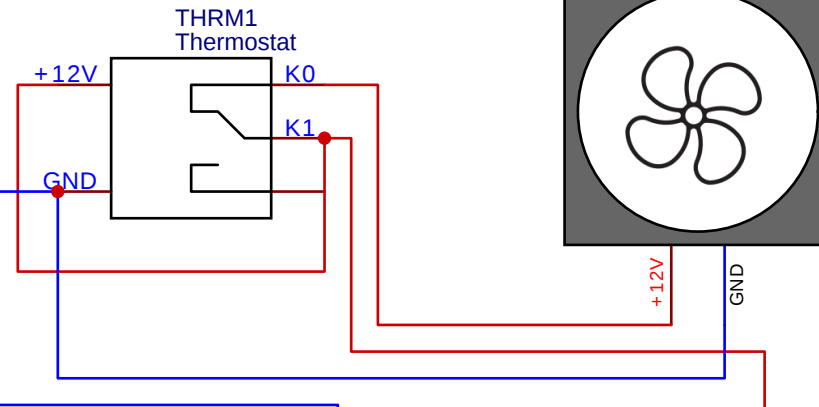
S1 Aviation 3pin Male

NOTES:

- Pink wires are premade cables, drawn as one to save space.
- Aviation connectors receive ferrules & are added at pole.
- Anderson, Deutsch, & MC4 all have proprietary crimp ends.



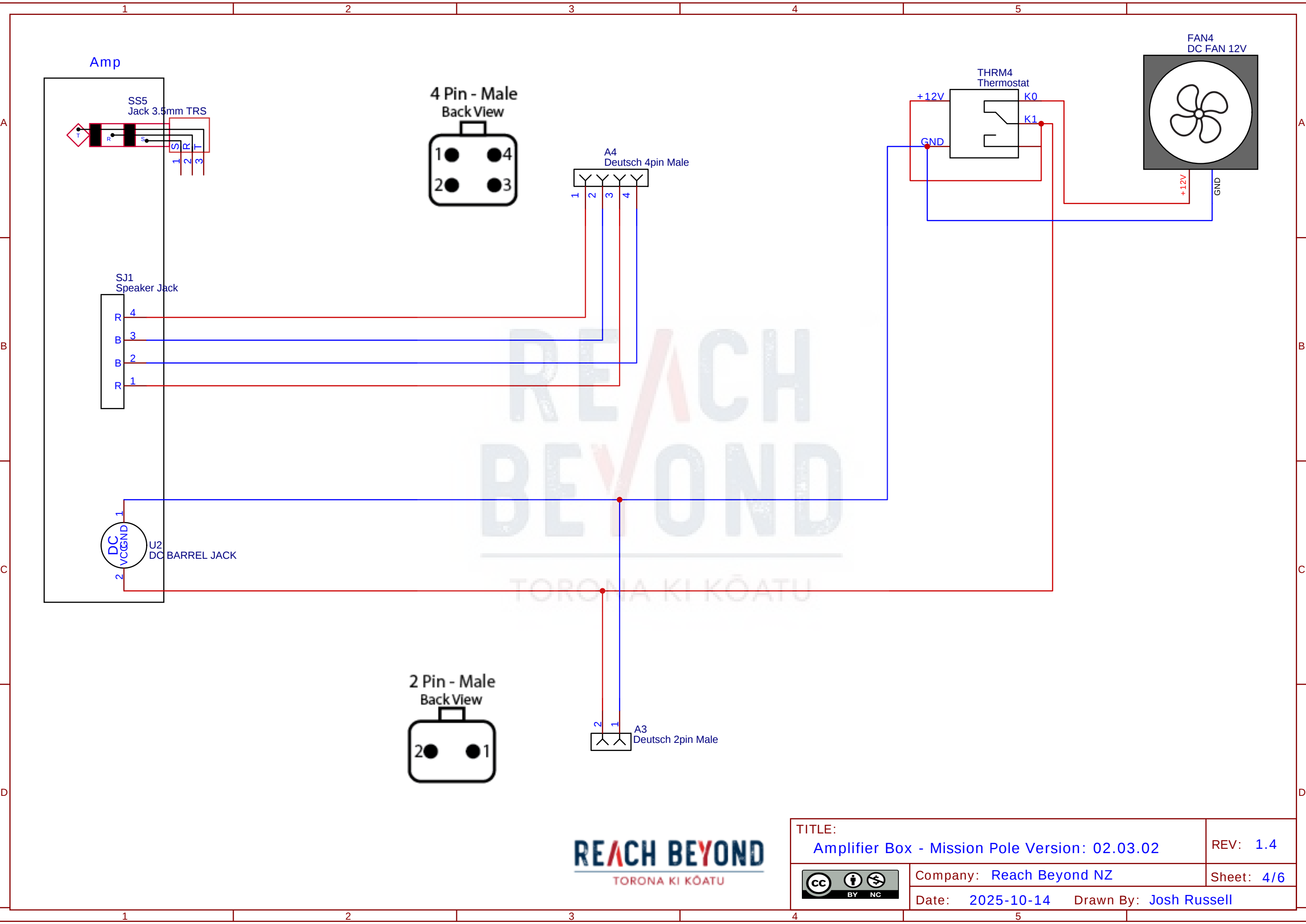
->PD1
Deutsch 12pin Male

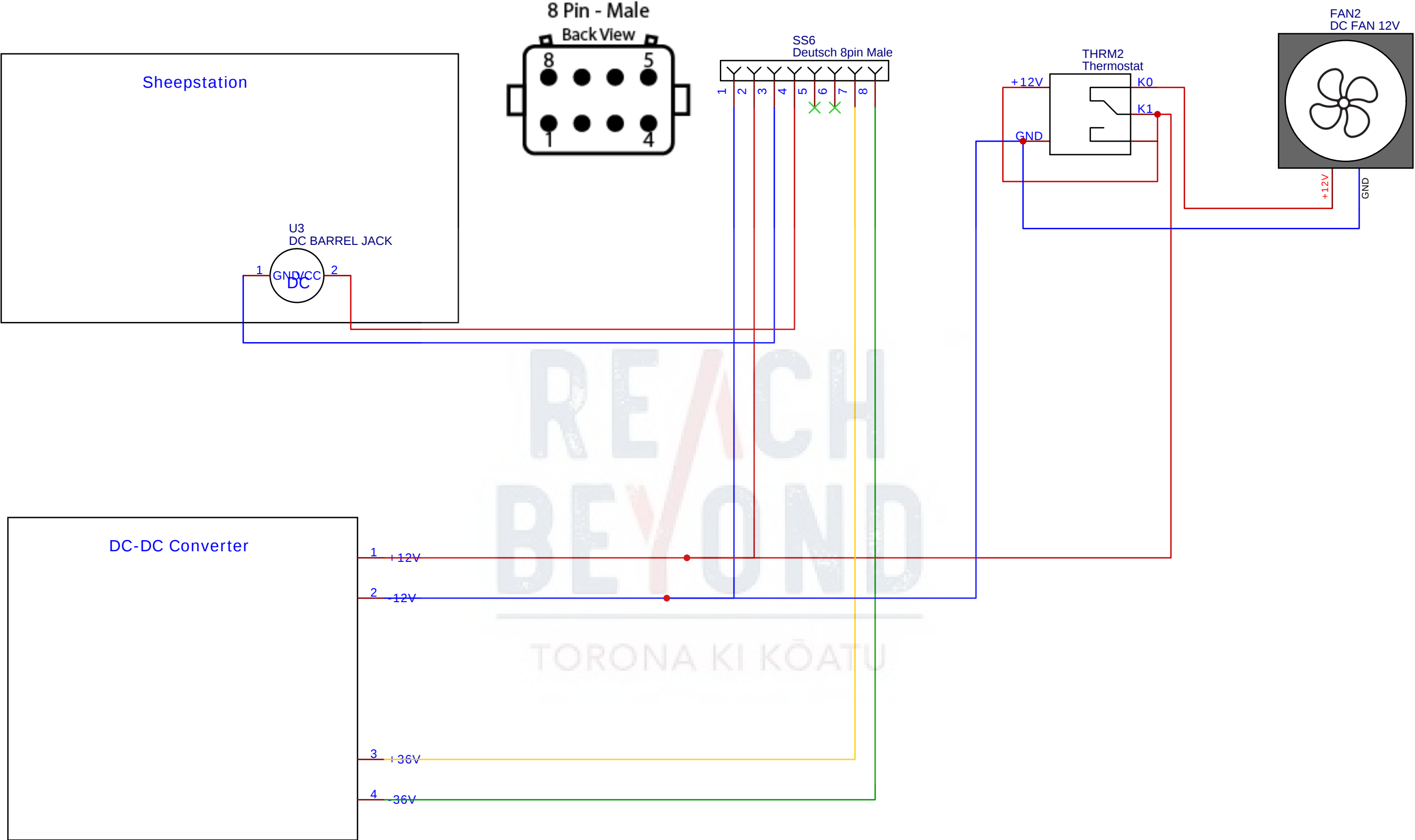


1	2	3	4	5	
A					A
B					B
C					C
D					D
1	2	3	4	5	



TITLE: USB Charger Box - Mission Pole Version: 02.03.02			REV: 1.4
	Company: Reach Beyond NZ		Sheet: 3/6
	Date: 2025-10-14 Drawn By: Josh Russell		





1	2	3	4	5	
A					A
B					B
C					C
D					D
1	2	3	4	5	



TITLE: CAM Box - Mission Pole Version: 02.03.02			REV: 1.4
	Company: Reach Beyond NZ		Sheet: 6/6
	Date: 2025-10-14 Drawn By: Josh Russell		