Supplemental Battery Enclosure
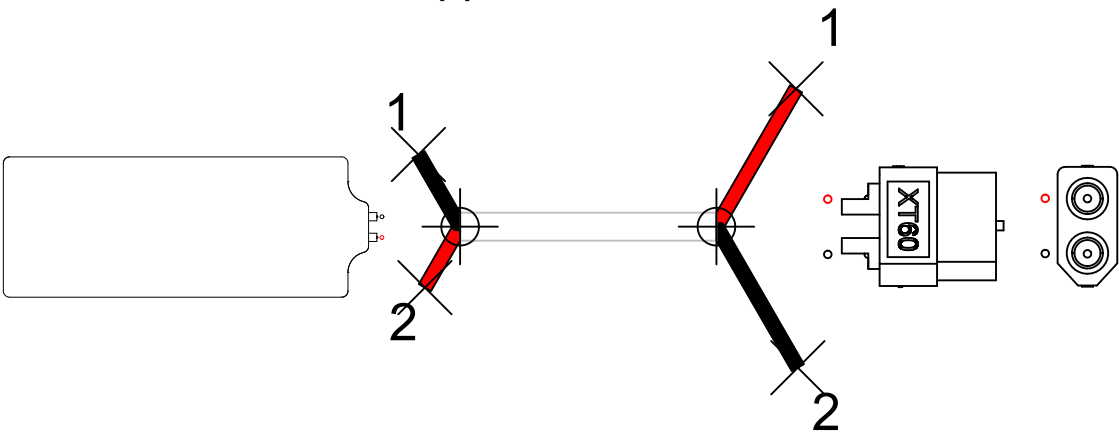
Bill of materials (aggregated)

No.	Wire harness name	Type	Part number	Manufacturer	Quantity / Length
1	SuppOutToMonEnc, SuppBattConn	Connector	AMA.XT60H-F	Amass	3
2	SuppMonToLVOut	Connector	MOL.47725-6010	MOLEX	1
3	SuppMonToLVOut, SuppMonToSuppIn	Connector	MOL.43645-0200	MOLEX	2
4	SuppMonToLVOut	Connector	MOL.43645-0400	MOLEX	2
5	SuppBattConnToOut, SuppMonToSuppIn	Connector	AMA.XT60E-M	Amass	3
6	SuppBattConnToOut	Connector	AMA.XT60H-M	Amass	1
7	SuppBattConn	Voltage source, generator	TEN.11638	Tenergy	1
8	SuppOutToMonEnc, SuppBattConnToOut, SuppMonToSuppIn, SuppBattConn	Wire	14AWG-SIL-RED		304.6 mm
9	SuppOutToMonEnc, SuppBattConnToOut, SuppMonToSuppIn, SuppBattConn	Wire	14AWG-SIL-BLK		308.8 mm
10	SuppOutToMonEnc	Braided sleeve	BS.000004	EPL	39.66 mm
11	SuppMonToLVOut	Wire	20AWG-RED		217 mm
12	SuppMonToLVOut	Wire	20AWG-BLK		205.4 mm
13	SuppMonToLVOut	Wire	20AWG-YEL		61.49 mm
14	SuppMonToLVOut	Wire	20AWG-GRN		61.22 mm
15	SuppMonToLVOut	Wire	20AWG-VIO		71.7 mm
16	SuppMonToLVOut	Wire	20AWG-WHT		72.49 mm

=CA1+EAA-SUPP

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	Supp-	14 AWG	66.48 mm	2	
2	Supp+	14 AWG	64.29 mm	1	

SuppBattConn
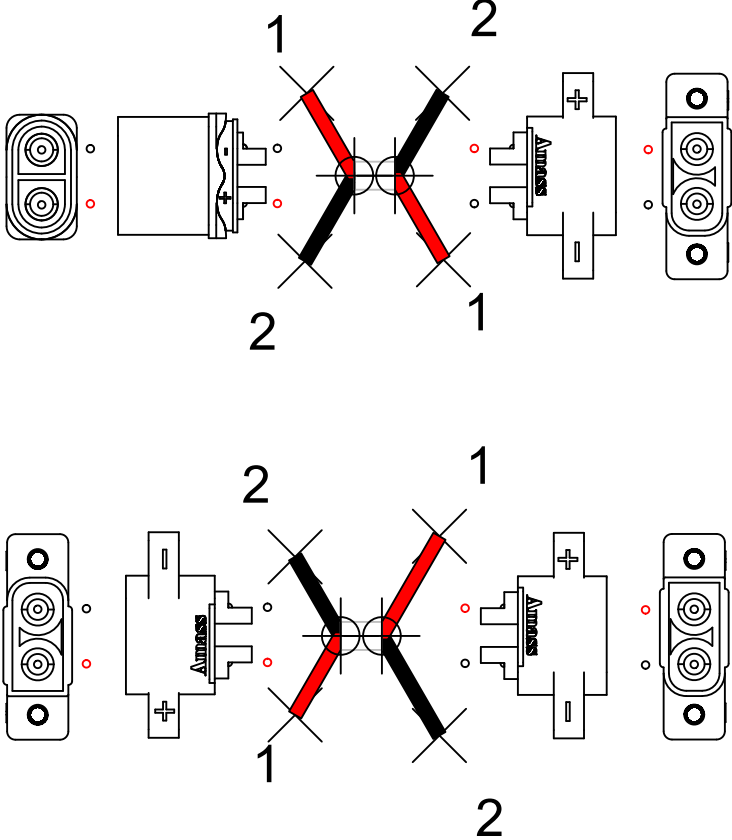
=CA1+EAA-X12

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	Supp+	14 AWG	64.29 mm	2	
2	Supp-	14 AWG	66.48 mm	1	

=CA1+EAA-X13

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	Supp+	14 AWG	30.8 mm	1	
2	Supp-	14 AWG	31.04 mm	2	

SuppBattConToOut

=CA1+EAA-SUPP_OUT

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	Supp+	14 AWG	30.8 mm	1	
1	Supp+	14 AWG	32.75 mm	1	
2	Supp-	14 AWG	31.04 mm	2	
2	Supp-	14 AWG	32.74 mm	2	

=CA1+EAA-SUPP_MON_OUT

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	Supp+	14 AWG	32.75 mm	1	
2	Supp-	14 AWG	32.74 mm	2	
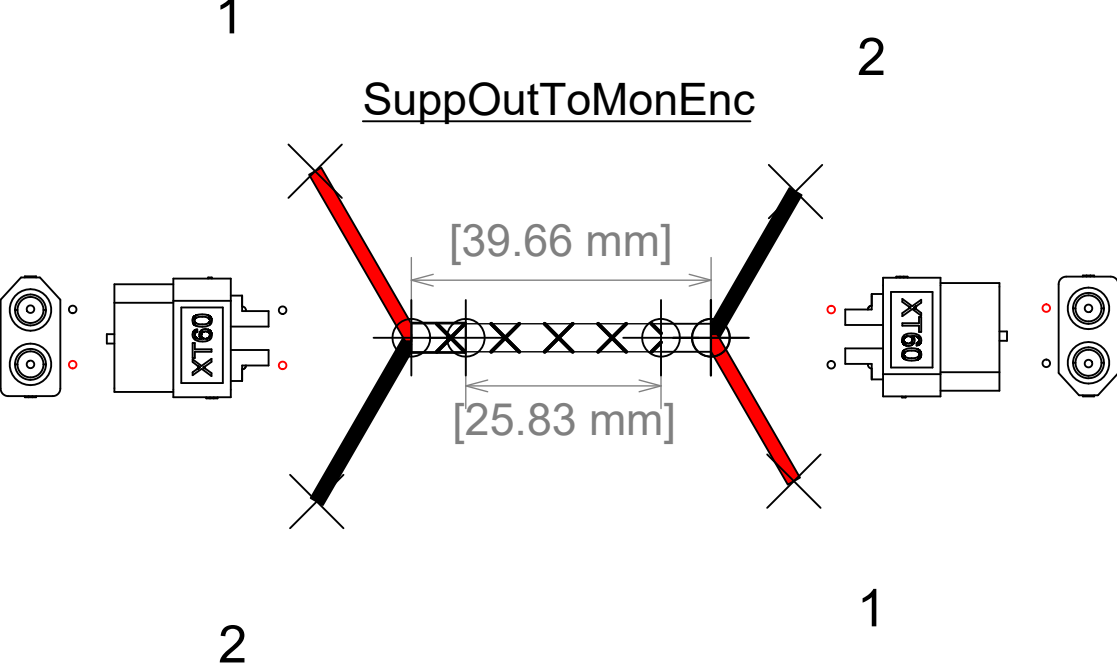
=CA1+EAA-SUPP_OUT

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	Supp+	14 AWG	30.8 mm	1	
1	Supp+	14 AWG	32.75 mm	1	
2	Supp-	14 AWG	31.04 mm	2	
2	Supp-	14 AWG	32.74 mm	2	

=CA1+EAA-X10

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	Supp+	14 AWG	87.02 mm	1	
2	Supp-	14 AWG	87.01 mm	2	

SuppOutToMonEnc

[39.66 mm]

[25.83 mm]
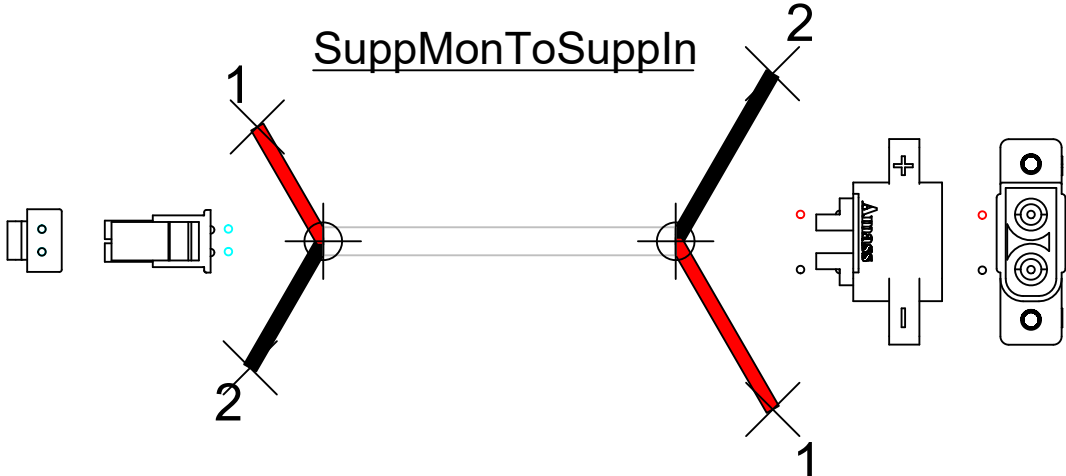
=CA1+EAA-X9

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	Supp+	14 AWG	87.02 mm	1	
2	Supp-	14 AWG	87.01 mm	2	

=CA1+EAA-X1-SUPP

| Pin from	Wire name	Cross-section	Length	Pin to	Color
1	Supp+	14 AWG	89.78 mm	1	
2	Supp-	14 AWG	91.57 mm	2	

SuppMonToSuppIn
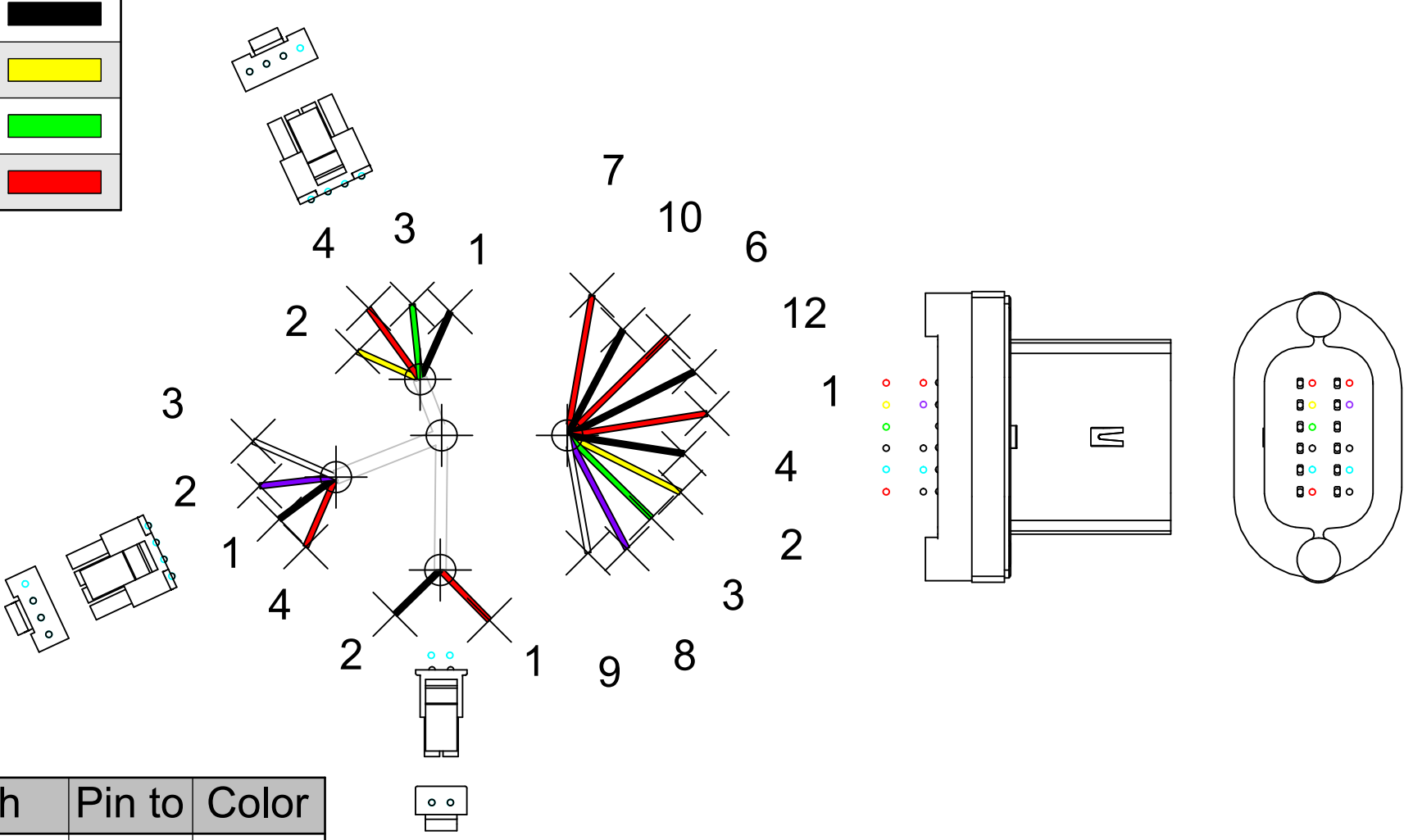
=CA1+EAA-SUPP_MON_IN

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	Supp+	14 AWG	89.78 mm	1	
2	Supp-	14 AWG	91.57 mm	2	

=CA1+EAA-X1-CAN_IN

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	CGND	20 AWG	60.95 mm	4	
2	CAN-H	20 AWG	61.49 mm	2	
3	CAN-L	20 AWG	61.22 mm	3	
4	5VCAN	20 AWG	66.98 mm	1	

=CA1+EAA-X1-CAN_OUT

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	CGND	20 AWG	69.29 mm	10	
2	CAN-H	20 AWG	71.7 mm	8	
3	CAN-L	20 AWG	72.49 mm	9	
4	5VCAN	20 AWG	73.86 mm	7	

=CA1+EAA-X1-PRI

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	Fusebox+	20 AWG	76.14 mm	6	
2	Fusebox-	20 AWG	75.16 mm	12	

SuppMonToLVOut

=CA1+EAA-LV

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	5VCAN	20 AWG	66.98 mm	4	
2	CAN-H	20 AWG	61.49 mm	2	
3	CAN-L	20 AWG	61.22 mm	3	
4	CGND	20 AWG	60.95 mm	1	
5	-				
6	Fusebox+	20 AWG	76.14 mm	1	
7	5VCAN	20 AWG	73.86 mm	4	
8	CAN-H	20 AWG	71.7 mm	2	
9	CAN-L	20 AWG	72.49 mm	3	
10	CGND	20 AWG	69.29 mm	1	
11	-				
12	Fusebox-	20 AWG	75.16 mm	2	

LHR5