

MPPT Enclosure

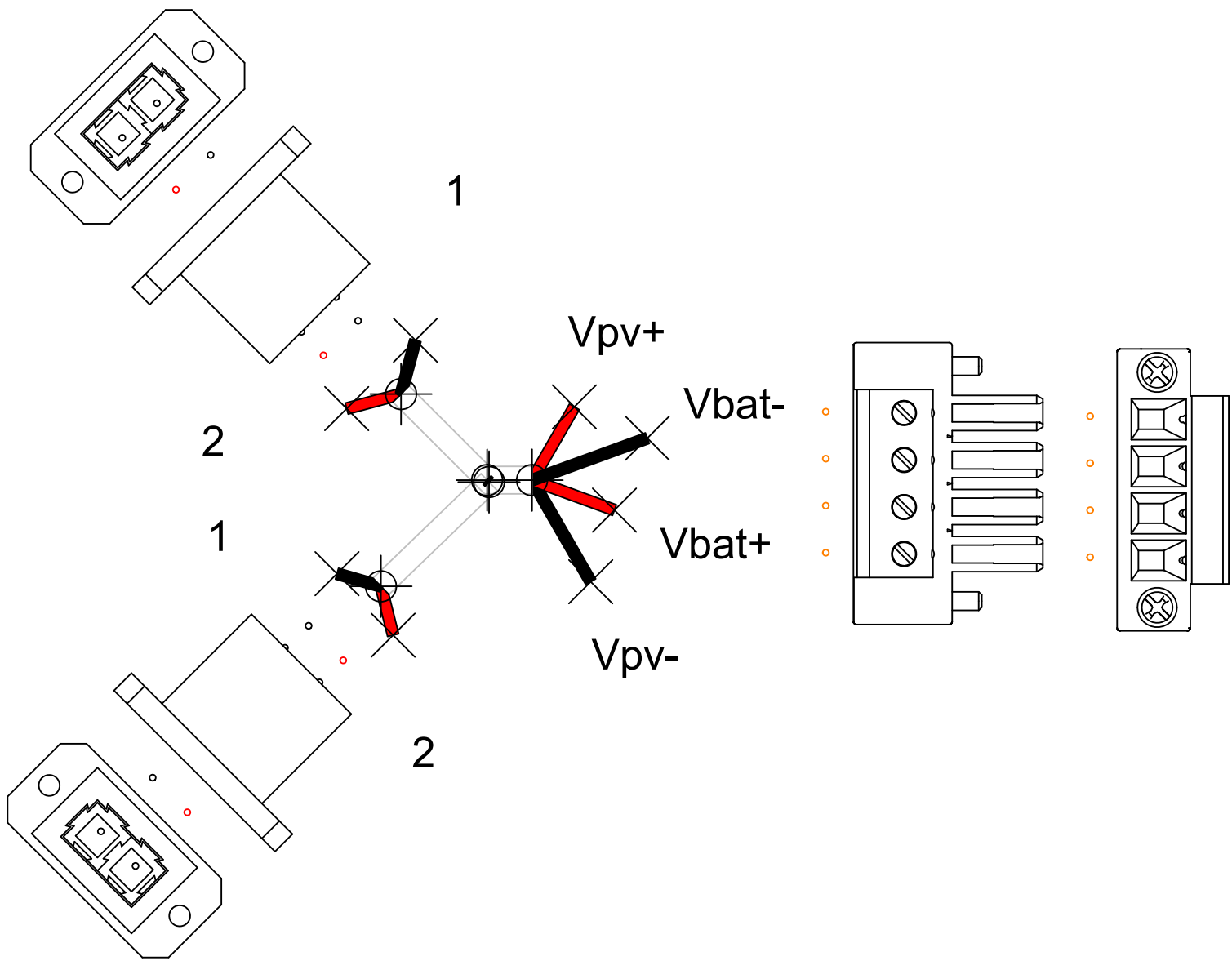
Bill of materials (aggregated)

No.	Wire harness name	Type	Part number	Manufacturer	Quantity / Length
1	MPPT_CAN	Connector	MOL.47725-6010	MOLEX	1
2	MPPT_CAN	Connector	MOL.43025-0600	MOLEX	2
3	MPPT_PWR	Connector	PHO.1828265	Phoenix Contact	1
4	MPPT_PWR	Connector	LHRs.PP15-45	LHRs	2
5	MPPT_CAN	Wire	20AWG-RED		120.4 mm
6	MPPT_CAN	Wire	20AWG-BLK		122 mm
7	MPPT_CAN	Wire	20AWG-YEL		60.99 mm
8	MPPT_CAN	Wire	20AWG-GRN		62.15 mm
9	MPPT_CAN	Wire	20AWG-VIO		54.25 mm
10	MPPT_CAN	Wire	20AWG-WHT		54.36 mm
11	MPPT_PWR	Wire	14AWG-SIL-BLK		114.4 mm
12	MPPT_PWR	Wire	14AWG-SIL-RED		104.3 mm

MPPT\_PWR

=CA1+EAA-ARRAY

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	ARRAY-	14 AWG	55.06 mm	Vpv-	
2	ARRAY+	14 AWG	49.85 mm	Vpv+	



=CA1+EAA-X1-PWR

Pin from	Wire name	Cross-section	Length	Pin to	Color
Vbat-	BATT-	14 AWG	59.36 mm	1	
Vbat+	BATT+	14 AWG	54.44 mm	2	
Vpv-	ARRAY-	14 AWG	55.06 mm	1	
Vpv+	ARRAY+	14 AWG	49.85 mm	2	

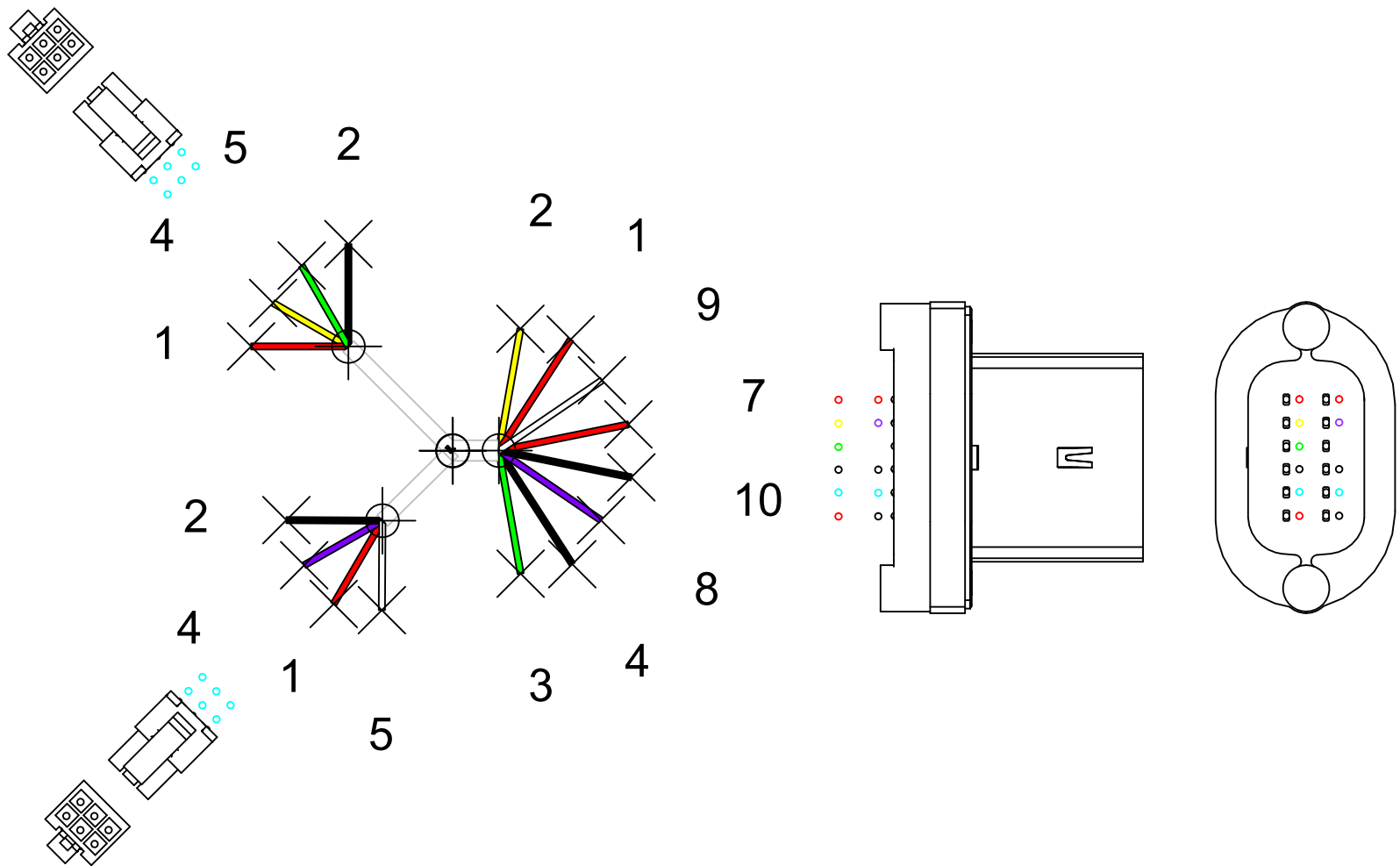
=CA1+EAA-BATT

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	BATT-	14 AWG	59.36 mm	Vbat-	
2	BATT+	14 AWG	54.44 mm	Vbat+	

MPPT\_CAN

=CA1+EAA-X1-CAN\_IN

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	5VCAN	20 AWG	63.84 mm	1	
2	CGND	20 AWG	65.06 mm	4	
3	-				
4	CAN-H	20 AWG	60.99 mm	2	
5	CAN-L	20 AWG	62.15 mm	3	
6	-				



=CA1+EAA-LV

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	5VCAN	20 AWG	63.84 mm	1	
2	CAN-H	20 AWG	60.99 mm	4	
3	CAN-L	20 AWG	62.15 mm	5	
4	CGND	20 AWG	65.06 mm	2	
5	-				
6	-				
7	5VCAN	20 AWG	56.53 mm	1	
8	CAN-H	20 AWG	54.25 mm	4	
9	CAN-L	20 AWG	54.36 mm	5	
10	CGND	20 AWG	56.91 mm	2	
11	-				
12	-				

=CA1+EAA-X1-CAN\_OUT

Pin from	Wire name	Cross-section	Length	Pin to	Color
1	5VCAN	20 AWG	56.53 mm	7	
2	CGND	20 AWG	56.91 mm	10	
3	-				
4	CAN-H	20 AWG	54.25 mm	8	
5	CAN-L	20 AWG	54.36 mm	9	
6	-				