

Tesla Gen 3 Battery Charger Controller V1 and V2 connector pinout

The controller requires two Molex plugs and pins. One 20 Way plug is used for connecting to the Vehicle and the other 12 way is used for connecting to the charger power modules.

20 Way plug p/n :33472-2001

12 Way plug p/n:33472-1236

Pin p/n:33012-2002

20 way plug pinout (To Vehicle) :

1	-	Ground
2	-	12V Permanent supply
3	-	Output 1
4	-	Output 2
5	-	Input 1
6	-	Input 2
7	-	EVSE Control Pilot (CP)
8	-	EVSE Proximity (PP)
9	-	CAN Low
10	-	CAN High
11	-	CAN Ground
12	-	USB D+
13	-	USB D-
14	-	+5V USB
15	-	Not used
16	-	Not used
17	-	Not used
18	-	Not used
19	-	Not used
20	-	Not used

12 way plug pinout (To charger power modules) :

1	-	Ground
2	-	12V
3	-	5V
4	-	Can Low
5	-	Can High
6	-	Charger 1 Activate Signal
7	-	Charger 2 Activate Signal
8	-	Charger 3 Activate Signal
9	-	Charger 1 Enable Signal
10	-	Charger 2 Enable Signal
11	-	Charger 3 Enable Signal
12	-	Not used