

Nissan Leaf Inverter Controller V1 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 inverter.

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	-	Output 3
8	-	Brake input
9	-	CAN Low
10	-	CAN High
11	-	CAN Ground
12	-	USB D+
13	-	USB D-
14	-	+5V throttle
15	-	Throttle chan 1
16	-	Throttle chan 2
17	-	Throttle ground
18	-	Not used
19	-	Not used
20	-	Not used

12 way plug pinout (To Leaf inverter) :

1	-	Ground
2	-	12V
3	-	5V
4	-	Inverter CAN High
5	-	Inverter CAN Low
6	-	Ground
7	-	Not used
8	-	Not used
9	-	Not used
10	-	Not used
11	-	Not used
12	-	Not used