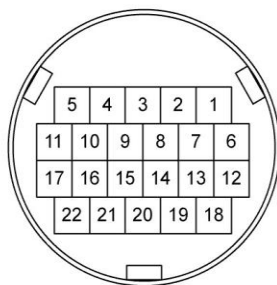


Nissan Leaf ZE1 Inverter Pinout Connections

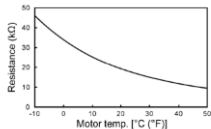
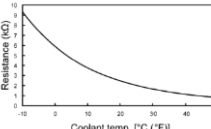


-01-000145925

Connection Descriptions

CAUTION:

- The pinout diagram shown is viewed from the wire side of the inverter connector when attached. The installed vertical orientation of the connector is not as shown in the diagram. Use the bottom notch shown for reference.

Terminal No. (Color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
1 (G)	Ground	12V battery power supply	Input	Power switch ON	9 – 16 V
3 (L)	9 (P)	Traction motor resolver signal (S2 – S4)	Input	Power switch OFF	20 – 35 Ω
4 (B)	Ground	GND	—	Always	0 V
5 (L)	—	EV system CAN-H	Input/Output	—	—
6 (G)	Ground	12V battery power supply	Input	Power switch ON	9 – 16 V
7 (Y)	20 (V)	Traction motor temperature sensor	Input	Power switch OFF	Within ± 50% of temperature characteristics diagram  -03-000165492
10 (B)	Ground	GND	—	Always	0 V
11 (G)	—	EV system CAN-L	Input/Output	—	—
12 (Y)	15 (BR)	Coolant temperature sensor	Input	Power switch OFF	Within ± 50% of temperature characteristics diagram  -02-000165491
18 (LG)	Ground	Power ON power supply	Input	Power switch ON	9 – 16 V
				Power switch OFF	0 V
19 (B)	14 (W)	Traction motor resolver signal (S1 – S3)	Input	Power switch OFF	20 – 35 Ω
22 (R)	16 (G)	Traction motor resolver signal (R1 – R2)	Output	Power switch OFF	8 – 15 Ω