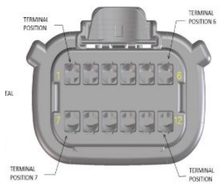
KL30

KL15



Backshell View

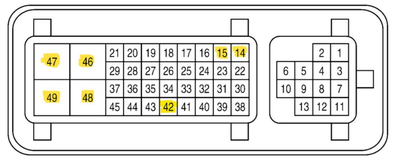
1	2	3	4	5	6
7	8	9	10	11	12

VCU 12pin

Pin	Circuit	Color
1	Grnd	
2	12v	
3	5v (Aux)	
4	Ptrn CAN H	Blue
5	Ptrn CAN L	Green
6	Gnd (Aux)	
7	Not Used	
8	Not Used	
9	Not Used	
10	Not Used	
11	Not Used	
12	Not Used	

Leaf Inverter

Grnd	47/49
KL30	46/48
CAN H	14
CAN L	15
KL15	42



5A

10A

VCU Svc

EV Relay

30	86
87	85

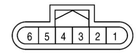
5A

Brake Pedal Switch

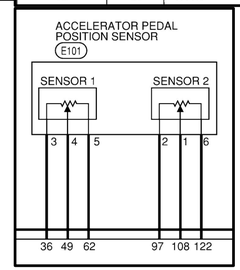
G2 Leaf Accel Pedal

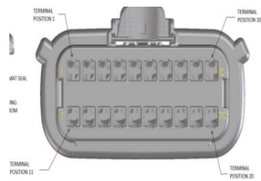
Connector No.	E101
Connector Name	ACCELERATOR PEDAL POSITION SENSOR
Connector Color	BLACK

H.S.



Terminal No.	Color of Wire	Signal Name
1	R	Sensor 2 Signal
2	W	Sensor 1 5v
3	W	Sensor 2 5v
4	R	Sensor 1 Signal
5	B	Gnd
6	B	Gnd





Backshell View

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

VCU 20pin

PIN	Circuit	Color
1	Grnd	Brwn
2	12V - VCU Switch	Red
3	PreChg (-)	Orange
4	Main Contactor (-)	White
5	Ign 12v - KL15	Purple
6	Input 2	
7	Output 3	
8	Brake Input (12v)	Red
9	Veh CAN L	unused
10	Veh CAN H	unused
11	Veh CAN Gnd	unused
12	USB D+	Purple
13	USB D-	Pink
14	Throttle 5v	Yellow
15	Throttle Ch1	Green
16	Throttle Ch2	Green
17	Throttle Grnd	Brown
18	Not Used	unused
19	Ptrn CAN H	Blue
20	Ptrn CAN L	Green

VEHICLE HEADER
Deutsch 8pin

Color	Pin	Circuit	Color
Red	1	12V VCU Svc	Red
Red	2	Brake (12v)	Green
Green	3	Throttle Ch2	Rd/Blk
Yellow	4	5V Throttle	White
Brown	5	Throttle Gnd	Black
Green	6	Throttle Ch1	Rd/Blk
	7		
Brown	8	Gnd KL31	Brown

Deutsch 2pin

Color	Pin	Circuit	Color
Red	1	12V KL30	Red
Yellow	2	12V KL15	Yellow

HVJB

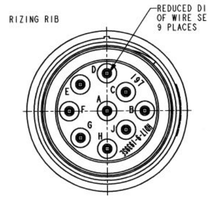
Neg Cont

Pos Cont

ISA

HVJB 9pin

Pin	Circuit	Color
A	12V	Red
B	PreChg Relay (-)	Orange
C	Not Used	
D	Pos HV Contactor (-)	White
E	CAN H (ISA shunt)	Blue
F	Gnd	Brown
G	CAN L (ISA shunt)	Green
H	Not Used	Purple
J	KL15	Yellow



KL31