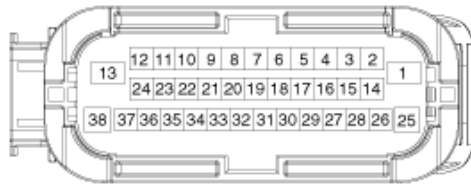


ECU Connector Input/Output (ABS)



Wire No.	Designation	Current		max.permissible wire resistance R _L (mΩ)
		max	min	
13	Ground for recirculation pump	39 A	10 A	-
38	Ground for solenoid valves and ECU	15 A	2 A	-
1	Voltage supply for pump motor	39 A	10 A	-
25	Voltage supply for solenoid valves	15 A	2 A	-
32	Voltage for hybrid ECU	1 A	500 mA	60
22,6,20,31	signal wheel speed sensor FL, FR, RL,RR	16.8 mA	5.9 mA	250
34,18,33,19	Voltage supply for the active wheel speed sensor FL,FR, RL, RR	16.8 mA	5.9 mA	250
30	Brake light switch (Signal)	10 mA	5 mA	250
14	CAN Low	30 mA	20 mA	250
26	CAN High	30 mA	20 mA	250
27	Wheel speed sensor output	Open Drain	-	-

ABS Hecu Connector

Connector terminal		Specification	Condition
Number	Description		
13	Ground for recirculation pump	Current range: Min.10A Max. 39A	Always
38	Ground for solenoid valves and ECU	Current range: Min.2A Max. 15A	Always
1	Voltage supply for pump motor	Battery voltage	Always
25	Voltage supply for solenoid valves		
34	Voltage supply for the active wheel speed sensor FL,FR, RL, RR	Battery voltage	IG On
18			
33			
19			
22	signal wheel speed sensor FL, FR, RL,RR	Voltage(High) : 0.26 ~ 0.37 V Voltage (Low) : 0.13 ~ 0.18 V	On driving
6			
20			
31	Voltage for hybrid ECU	Battery voltage	KEY ON/OFF
32			
30	Brake light switch	Voltage (High) ≥ 4.5 * IG ON Voltage (Low) ≤ 2.0 * IG ON	Brake On/Off

Sensor Output On GDS(ABS)

	Description	Abbreviation	Unit	Remarks
1	Vehicle speed sensor	VEH. SPD	Km/h	
2	Battery voltage	BATT. VOL	V	
3	FL Wheel speed sensor	FL WHEEL	Km/h	

4	FR Wheel speed sensor	FR WHEEL	Km/h	
5	RL Wheel speed sensor	RL WHEEL	Km/h	
6	RR Wheel speed sensor	RR WHEEL	Km/h	
7	ABS Warning lamp	ABS LAMP	-	
8	EBD Warning lamp	EBD LAMP	-	
9	Brake Lamp	B/LAMP	-	
10	Pump relay state	PUMP RLY	-	
11	Valve relay state	VALVE RLY	-	
12	Motor	MOTOR	-	
13	Front Left valve(IN)	FL INLET	-	
14	Front Right valve (IN)	FR INLET	-	
15	Rear Left valve (IN)	RL INLET	-	
16	Rear Right valve (IN)	RR INLET	-	
17	Front Left valve (OUT)	FL OUTLET	-	
18	Front Right valve (OUT)	FR OUTLET	-	
19	Rear Left valve(OUT)	RL OUTLET	-	
20	Rear Right valve (OUT)	RR OUTLET	-	