All values measured to ground unless otherwise noted						
Conn./Plug/Pin	Pin Information	Test Equipment/Pins	Conditions	Test values/Comments Note 1		
4.1	CAN Class C bus (high side).	4.11 — ເ →¯҈Ω ⁺ → > — 4.1	Ignition: OFF Disconnect: Plug 4	120 Ohms		
4.11	CAN Class C bus (low side).	See pin 4.1		Note 2		
4.2-4	Pins not used					
4.5	Left/right O2S signal input (after TWC) sensors ground	4.5 — (Engine: 2000-3000 rpm (2 min) ECT: > 80 °C,	1/min <450 mVDC or >550 mVDC		
4.15	Right O2S signal input (after TWC) high side	See pin 4.5				
4.16	Left O2S signal input (after TWC) high side	4.5 — (See pin 4.5			
4.6	Pedal value sensor 1 signal input (-)	4.6 — (Ignition: ON Pedal position:	CTP 0.2-0.5 VDC WOT 4.3-4.8 VDC		
4.7	Pedal value sensor 2 signal input (+)	4.18 —(Ignition: ON Pedal position:	CTP 0.1-0.4 VDC WOT 2.1-2.5 VDC		
4.8	Pedal value sensor 1 signal input (+)	See pin 4.6				
4.18	Pedal value sensor 2 signal input (-)	See pin 4.7				
4.19	Pedal value sensor voltage supply	4.18 — (Ignition: ON	4.75 - 5.25 VDC		
4.9	Pin not used					
4.10	Fuel tank pressure sensor ground	4.10 — 4.40	Ignition: ON	5 VDC (or 0 VDC to ground)		
4.40	Fuel tank pressure sensor power output	See pin 4.10				
4.17	Fuel tank pressure sensor signal input	4.10 — (- U +) — 4.17	Disconnect: Vacuum line at sensor Connect: Vacuum tester Ignition: ON Apply:300 mbar	>3.5 VDC <3 VDC		
4.12,13	Pins not used					

4.14	Kickdown ground signal input	5.5 — (———————————————————————————————————		0 Ohm
4.20-28	Pins not used			
4.29	"Diagnostic port" for DTC readout and diagnostic purpose	5.5 — (—) — 4.29	Ignition: ON	12 VDC
4.30,31	Pins not used			
4.32	Engine rpm signal output	5.5 — (— • • • • • • • • • • • • • • • • • •	Engine: At Idle	7.5-9 VDC
4.33,34	Pins not used			
4.35	Circuit 50 signal output	5.5 — (Start: Engine	12 VDC (starter turning)
4.36	Fuel pump activation signal output	4.36 — (- V) + 5.9	Ignition: ON Engine: Running	12 VDC for 1 sec
			0 0	Note 3
4.37	Activated charcoal canister shut-off valve switched ground signal output	5.5 — (———————————————————————————————————	Ignition: ON	0.5-0.9 A
4.38	Air pump activation signal output	4.38 —(→ ¯ <u> </u>	Disconnect: B11/4 Connect: 2.5 KOhm resistor across pin 1 and 2 of B11/4 plug	12 VDC while pump is running (2 min)
4.39	Engine climate control cooling fan activation signal output		When system operational	> 3 VDC
5.1	Left O2S heater (after TWC)	5.1 — c ———————————————————————————————————	Ignition: ON Engine: At idle (2 min) ETC > 80 °C	1-12 VDC (varies)
5.2	Purge valve control switched ground signal output, initializes purge mode	5.5 — (—) — 5.2	Ignition: ON	0.3-0.5 A
5.3	Circuit 30 main power input	5.5 — (At all times	12 VDC
5.4	Right O2S heater (after TWC)	See pin 5.1		
5.5-8	Main ground to W15/3			0 Ohm
5.9	Circuit 87 power input		Ignition: ON	12 VDC
Note 1	For pins of connectors 1, 2 and 3 see diagram PE07.61-U-2101DB			

Note 2	High speed data transfer bus input and output, shares data with other ECMs See PE00.19-U-2200DA	No reliable test. Also check continuity to other ECMs.	5 VAC when data is on bus.
Note 3	Activation of the FP at "Ignition" occurs only once. For next activation, engine must have run briefly.		