

1.9TDI 68-Pin ECU Pinout (p/ns: 028 906 02X xx)				12/1/2018	
<i>Based on a 1997 Golf TDI diagram – note: Pins that are not connected or needed are not included below.</i>					
Pin	Color	Module	Description	Connected to	Comment
1	brown		31 Ground connection in wiring harness	31 (156)	
2	black/green	J285	Engine Speed Signal (tachometer/DOP)	G1/12 U1/6	
4	brown/Yellow	N146	Metering Adjuster	F26 T8/6	8 pin harness on injector pump
5	brown/Yellow	N146	Metering Adjuster	F26 T8/6	8 pin harness on injector pump
6	black/blue	J359	Low Heat Output Relay	1	possibly coolant glow plugs for warm up
7	Grey/green	G149	Modulating Piston Displacement Sensor	T 8/5	8 pin harness on injector pump
8	white	G28	Engine Speed Sensor	42431	
9	purple/white	MFA	Fuel Consumption Signal		
11	blue	G80	Needle Lift Sensor	42402	
12	Grey	G80	Needle Lift Sensor	42401	
13	brown/red	G70	Mass Air Flow (MAF) Sensor	42527	
14	blue/brown	G62	Engine Temperature Sensor	T24/20 4/3	To instrument cluster
15	white/blue	G79	Throttle Position Sensor	T6/1	
16	blue/black	F22	0.3 Bar Oil Pressure Switch	T24/1	To instrument cluster
17	white/red	F36	Clutch Switch	Pin 2 Clutch	
18	Yellow/red		Auto Gearbox	T8a/4	
19	red/green	G70	Mass Air Flow (MAF) Sensor	42522	
20	white/Yellow	F47	Brake Pedal Switch	Pin1 Brake	
23	black/Yellow	J317	Power Supply Relay	F25 G 1/10	
24	brown		31 Ground connection in wiring harness	156 31	
25	brown/white	N18	EGrey Vacuum Regulator Solenoid Valve	42402	
26	black/brown	J360	High Heat Output Relay	3	possibly coolant glow plugs for warm up
28	brown/Grey	J246	AC Relay Coupling	N/2	
29	purple/black	G149	Modulating Piston Displacement Sensor	T8/1	8 pin harness on injector pump
30	Grey/white	J52	Glow Plug Relay	T10/7	controlled from ECU
31	blue/Yellow		Auto Gearbox	T8a/7	
32	Grey		Auto Gearbox	T8a/6	

Pin	Color	Module	Description	Connected to	Comment
33	brown/blue		31 Ground connection (sensor ground)	220 31	
34	blue/Grey	E45	Cruise Control Switch	T4/2	
35	red	E45	Cruise Control Switch	T4/3	
37	green/Grey	F38	AC Ambient Temperature Switch		
38	blue/black		15 12V ignition	G1/4 15	
39	red/black		31 Alternator	T2/1 31	
42	black/purple	J317	ECU Switched Ground for 109 Relay	85 G1/7	this is important connection.
43	blue/white	VSS	Vehicle Speed Signal wire (VSS)	TV13 W/1 U2/2	
44	black/red	M9	Left Brake Light	TV11 W/4 K/4	
45	black/Yellow	J317	Power Supply Relay	F25 G1/10 6/87	
46	brown		156 Ground connection	156 31	
47	red/blue	N75	Wastegate Bypass Regulator Valve	42401	
48	blue/green	K29	Glow Plug Indicator Light	G 2/5	to cluster
49	brown/Yellow	N146	Metering Adjuster	F26 T8/6	8 pin harness on injector pump
50	Yellow/blue	J52	Glow Plug Relay	G1/3 3/85	
51	brown/black	N108	Cold Start Injector	T24/13 T3/2	to engine harness connector and small 3 pin
52	white/green	G149	Modulating Piston Displacement Sensor	T8/3	8 pin harness on injector pump
53	white/black	N109	Fuel Cut Off Valve	T24/12 T3/1	to engine harness connector and small 3 pin
55	Grey/red	G79	Throttle Position Sensor	T6/3	
57	Yellow/green	G79	Throttle Position Sensor	T6/2	
59	blue/black		Auto Gearbox	T10/8	
60	Yellow/white	K83	Malfunction Light (US only)	42370	
61	Grey/white	OBD	Immo Box 1995-> vehicles or OBD II connector	OBD T16/7	hoping this works
62	green/white	G79	Throttle Position Sensor	T6/5	
63	Yellow/black	G81	Fuel Temperature Sender	T8/7	8 pin harness on injector pump
64	blue/Yellow	G72	Intake Manifold Temperature Sender	42401	
65	Grey/blue	G79	Throttle Position Sensor	T6/4	
66	black/white	E45	Cruise Control Switch	T4/4	
68	black/Yellow	J317	109' Sensor Supply Relay	F25 G1/10 6/87	this is important connection.