

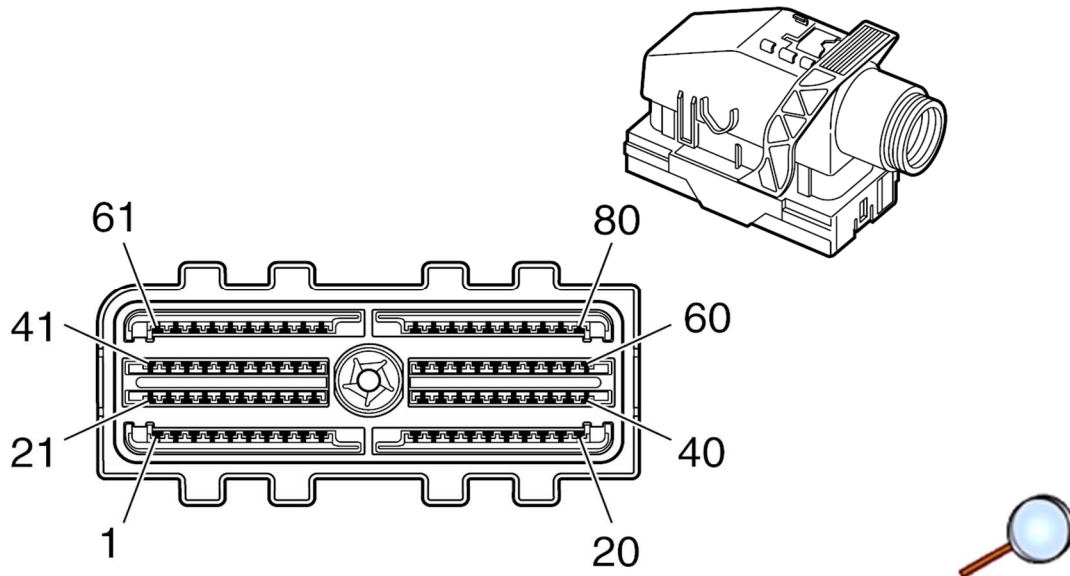


Service Information

[2009 Chevrolet Silverado - 4WD](#) |

Document ID: 1676057

[Transmission Control Module \(TCM\) 80-Way Connector](#)



Connector Part Information

- OEM: 13551663
- Service: 88988934
- Description: 80-Way F (BK)

Terminal Part Information

- Pins: 2, 5, 17-18, 20, 22-23, 29, 39-40, 42, 44, 47, 57, 59-60, 66, 77, 79-80
- Terminal/Tray: 33001-3004/23
- Core/Insulation Crimp: E/2
- Release Tool/Test Probe: J-38125-217/J-35616-14 (GN)

- Pins: 9, 11, 14, 33-34, 36, 51-55, 58, 63, 69-71, 73-74, 78
- Terminal/Tray: 33001-3004/23
- Core/Insulation Crimp: A/E/A/C
- Release Tool/Test Probe: J-38125-217/J-35616-14 (GN)

- Pins: 6, 10, 26-27, 43, 46, 56,
- Terminal/Tray: 33001-3004/23
- Core/Insulation Crimp: Not Available

- Release Tool/Test Probe: J-38125-217/J-35616-14 (GN)

Transmission Control Module (TCM) 80-Way Connector

Pin	Wire Color	Circuit No.	Function
1	—	—	Not Used
2	PU	420	Torque Converter Clutch (TCC) Brake Switch/Cruise Control Release Signal
3–4	—	—	Not Used
5	OG/BK	483	Requested Torque Signal
6	TN/WH	2500	High Speed GMLAN Serial Data Bus High
7–8	—	—	Not Used
9	BK/WH	451	Ground
10	OG	4440	Battery Positive Voltage
11	RD/BK	1228	Actuator Supply Voltage 1 (HSD1)
12–13	—	—	Not Used
14	GY	773	Transmission Range Switch Signal C
15–16	—	—	Not Used
17	PK	1224	Fluid Pressure Switch Signal 1 (PS1)
18	YE	400	Vehicle Speed Sensor (VSS) Signal High
19	—	—	Not Used
20	L-BU	1984	Transmission Turbine Speed Switch Low
21	—	—	Not Used
22	WH	2467	Unmanaged Torque Signal
23	YE	2522	Power Take-Off (PTO) Engage Signal
24–25	—	—	Not Used
26	TN/WH	2500	High Speed GMLAN Serial Data Bus High
27	TN	2501	High Speed GMLAN Serial Data Bus Low
28	—	—	Not Used
29	D-BU	2466	Transmission Malfunction Indicator Lamp (MIL) Request Signal
30–32	—	—	Not Used
33	YE/BK	1223	Shift Solenoid 2 (SS2) Low
34	WH	776	Transmission Range Switch Signal P

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Pin	Wire Color	Circuit No.	Function
35	—	—	Not Used
36	BN/WH	2469	Pressure Control Solenoid 2 (PCS2) Low
37– 38	—	—	Not Used
39	D-BU/BK	1231	Automatic Transmission Input Speed Sensor (AT ISS) Signal Low
40	L-GN/BK	822	Vehicle Speed Sensor (VSS) Signal Low
41	—	—	Not Used
42	GY/BK	1694	Four Wheel Drive (4WD) Low Signal
43	PU	806	Crank Voltage
44	TN/BK	464	Delivered Torque Signal
45	—	—	Not Used
46	YE	2470	Class 2 Serial Data
47	L-BU	6106	High Speed GMLAN Serial Data Bus Low
48– 50	—	—	Not Used
51	OG/WH	2527	Shift Solenoid 3 (SS3) Low
52	L-GN	1222	Shift Solenoid 1 (SS1) Low
53	YE	772	Transmission Range Switch Signal B
54	YE/BK	1227	Transmission Fluid Temperature (TFT) Sensor Signal
55	L-BU/WH	1229	Pressure Control Solenoid 1 (PCS1) Low
56	PU	5526	Driver Shift Request Signal
57	RD	1226	Fluid Pressure Switch Signal 3 (PS3)
58	BK	2762	Transmission Fluid Temperature (TFT) Sensor Return
59	RD/BK	1230	Automatic Transmission Input Speed Sensor (AT ISS) Signal High
60	PU/WH	821	Vehicle Speed Sensor (VSS) Signal High
61– 62	—	—	Not Used
63	PK	1020	Ignition 0 Voltage
64– 65	—	—	Not Used
66	D-BU	6105	High Speed GMLAN Serial Data Bus High
67– 68	—	—	Not Used
69	BK/WH	451	Ground

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Pin	Wire Color	Circuit No.	Function
70	OG	4440	Battery Positive Voltage
71	BN	323	Actuator Supply Voltage 2 (HSD2)
72	—	—	Not Used
73	BK/WH	771	Transmission Range Switch Signal A
74	D-BU	1530	Mod Main Pressure Control Solenoid Low
75– 76	—	—	Not Used
77	L-GN/BK	2529	Fluid Pressure Switch Signal 4 (PS4)
78	BN	418	Torque Converter Clutch Pressure Control Solenoid (TCC PCS) Low
79	D-BU	1225	Fluid Pressure Switch Signal 2 (PS2)
80	OG	1983	Transmission Turbine Speed Switch Signal

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