

X1 Connector

Pin	Wire	Circuit	Function	Notes	Existing
1	0.5 OG/BK	1786	Park/Neutral Signal (MYC)		
2	--	--	Not Available		
3	--	--	Not Available		
4	--	--	Not Available		
5	--	--	Not Available		
6	--	--	Not Available		
7	--	--	Not Available		
8	0.35 L-GN	5007	Backup Lamp Switch Signal (M10)		
9	0.5 L-BU/WH	6311	Brake Pedal Switch Signal	X102 Pin 8	
10	0.5 PU/WH	1668	HO2S High Signal Bank 1 Sensor 2		
11	0.5 TN/WH	1669	HO2S Low Signal Bank 1 Sensor 2		
12	0.5 OG/BK	380	A/C Refrigerant Pressure Sensor Signal - Pin 3		
13	0.5 TN	5514	Low Reference - A/C Pressure Sensor Pin 1	X102 Pin 20	
14	--	--	Not Available		
15	--	--	Not Available		
16	0.5 D-BU	1936	Fuel Level Sensor Signal		
17	0.5 D-BU	473	High Speed Cooling Fan Relay Control	X3 Pin 38	
18	0.35 D-BU	5985	Serial Data Wake - Up Signal	X102 Pin 22	
19	0.5 PK	439	Ignition Voltage - KEY HOT	Underhood X3 Pin 14	
20	0.8 RD/WH	440	Battery Positive Voltage - HOT AT ALL TIMES	X102 Pin 1	
21	0.5 OG	6030	Brake Booster Vacuum Sensor Signal (L99)		
22	0.5 YE/BK	6032	Low Reference (L99) - Brake Booster Vacuum Sensor Pin 2		
23	0.5 PU	1272	Low Reference - APP Sensor Pin A	X102 Pin 7	
24	0.5 D-GN	890	Fuel Tank Pressure Sensor Signal - Pin 1	X102 Pin 12	
25	--	--	Not Available		
26	0.5 YE	6111	Clutch Pedal Position Sensor Signal (M10)		
27	0.5 TN	2501	High Speed GMLAN Serial Data Bus -	X102 Pin 34	
28	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus +	X102 Pin 35	
29	0.5 D-BU	1161	APP Sensor 1 Signal - APP Sensor Pin E	X102 Pin 2	
30	0.5 BN	1271	Low Reference - APP Sensor Pin D (F)	X102 Pin 4	
31	0.5 BN/WH	6281	Low Reference - Fuel Tank Pressure Sensor Pin 2 & Fuel Level Sensor Pin 3	X102 Pin 15	
32	0.5 L-BU	1162	APP Sensor 2 Signal - APP Sensor Pin B	X102 Pin 5	
33	0.5 GY	2709	5-Volt Reference 1 - Fuel Tank Pressure Sensor Pin 3	X102 Pin 13	
34	0.5 GY	2700	5-Volt Reference 1 - A/C Pressure Sensor Pin 2	X102 Pin 19	
35	--	--	Not Available		
36	0.5 TN	1274	5-Volt Reference 1 - APP Sensor Pin C	X102 Pin 6	
37	0.5 L-BU	6289	Intake Air Temperature Sensor Signal		
38	0.5 TN	2760	Low Reference - Air Temp Sensor Pin D (Part of MAF Sensor)		
39	--	--	Not Available		
40	--	--	Not Available		
41	0.5 YE	492	MAF Sensor Signal		
42	0.5 WH	6110	Low Reference (M10) - Clutch Pedal Position Sensor Pin C		
43	--	--	Not Available		
44	--	--	Not Available		
45	--	--	Not Available		
46	--	--	Not Available		
47	0.8 PK/BK	5290	Ignition Voltage	Underhood X3 Pin 19	
48	--	--	Not Available -		
49	0.5 TN	1671	HO2S Low Signal Bank 2 Sensor 2		
50	0.5 D-GN/WH	465	Fuel Pump Relay Control	X102 Pin 10	
51	--	--	Not Available		
52	0.5 PU/WH	6386	Starter Relay Control	Underhood X3 Pin 12	
53	0.5 GY	6031	5-Volt Reference 2 (L99) - Brake Booster Vacuum Sensor Pin 3		
54	0.5 TN	6109	5-Volt Reference 2 (M10) - Clutch Pedal Position Sensor Pin A	X102 Pin 29	
55	--	--	Not Available		
56	0.5 WH/BK	1164	5-Volt Reference 2 - APP Sensor Pin F (D)	X102 Pin 3	
57	--	--	Not Available		
58	0.5 D-GN	335	Low Speed Cooling Fan Relay Control	X3 Pin 7	
59	0.5 YE	5991	Powertrain Relay Control - PCM controls relay to power up fuses: F5U, F9U, F10U, F7U, F8U	Underhood X3 Pin 6	
60	--	--	Not Available		
61	0.5 WH	1310	EVAP Canister Vent Solenoid Control	X102 Pin 12	
62	--	--	Not Available		
63	0.5 D-GN/WH	459	A/C Compressor Clutch Relay Control	Underhood X3 Pin 36	
64	0.5 OG/WH	3223	HO2S Heater Low Control Bank 2 Sensor 2		
65	0.5 GY/WH	3122	HO2S Heater Low Control Bank 1 Sensor 2		
66	0.5 GY	587	Skip/Shift Solenoid Control (M10)		
67	--	--	Not Available		
68	0.5 BN/WH	419	MIL Control	X102 Pin 9	
69	0.5 PU	1670	HO2S High Signal Bank 2 Sensor 2		
70	0.5 L-BU	1937	Fuel Level Sensor Signal - Secondary	X102 Pin 18	
71	0.5 TN/WH	6355	VSS Signal High (M10)-Used O2 from Pin 11		
72	0.5 PU/WH	6356	VSS Signal Low (M10)-Used O2 from Pin 10		
73	2 BK/WH	451	Ground		

