

Engine Control Module (ECM) X1 (LE5 or LE9)



Connector Part Information

- Harness Type: Body
- OEM Connector: 13697612
- Service Connector: Pending
- Description: 73-Way F MX123 Series, Sealed (BK)

Terminal Part Information

- Pins: 1, 3, 5, 6, 8, 13, 18-21, 23-25, 27, 30, 32, 37, 39, 41-44, 47, 49, 55, 57-58, 65-68, 70
- Terminated Lead: 13575811
- Release Tool: J-38125-213
- Diagnostic Test Probe: J-35616-64B (L-BU)

- Core/Insulation Crimp: H/H
- Pins: 73
- Terminated Lead: Pending
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 7116-4151-02/9
- Core/Insulation Crimp: E/1

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Pin	Wire	Circuit	Function
1	0.35 D-BU	1161	APP Sensor 1 Signal
2	—	—	Not Available
3	0.35 BN	4	Accessory Voltage
4	—	—	Not Available
5	0.35 D-GN	335	Low Speed Cooling Fan Relay Control
6	0.35 D-GN/WH	465	Fuel Pump Relay Control – Primary
7	—	—	Not Available
8	0.35 TN	5514	Low Reference
9-12	—	—	Not Available
13	0.35 BN	5069	Main Relay Control
14-17	—	—	Not Available
18	0.35 L-BU	1162	APP Sensor 2 Signal

Pin	Wire	Circuit	Function
19	0.35 PK	639	Ignition 1 Voltage
20	0.35 RD/WH	540	Battery Positive Voltage
21	0.35 PU	1272	Low Reference
22	—	—	Not Available
23	0.35 TN	2759	Low Reference
24	0.35 OG/BK	1057	Low Reference
25	0.35 OG/BK	380	A/C Refrigerant Pressure Sensor Signal
26	—	—	Not Available
27	0.35 BN/WH	419	MIL Control
28–29	—	—	Not Available
30	0.35 D-GN/WH	459	A/C Compressor Clutch Relay Control
31	—	—	Not Available
32	0.35 PU/WH	6386	Starter Enable Relay Control
33–36	—	—	Not Available
37	0.35 YE	492	MAF Sensor Signal
38	—	—	Not Available
39	0.35 PU	1589	Fuel Level Sensor Signal – Primary

Pin	Wire	Circuit	Function
40	—	—	Not Available
41	0.35 BN	1271	Low Reference
42	0.35 D-GN	890	Fuel Tank Pressure Sensor Signal
43	0.35 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
44	0.35 TN	2501	High Speed GMLAN Serial Data Bus (-)
45-46	—	—	Not Available
47	0.35 WH/BK	1164	5-Volt Reference 1
48	—	—	Not Available
49	0.35 D-BU	473	High Speed Cooling Fan Relay Control
50-54	—	—	Not Available
55	0.35 WH	17	Stop Lamp Supply Voltage
56	—	—	Not Available
57	0.35 OG/BK	1786	Ignition Lock Cylinder Control Actuator Signal
58	0.35 TN	472	IAT Sensor Signal
59-64	—	—	Not Available
65	0.35 GY	2700	5-Volt Reference 1
66	0.35 GY	705	5-Volt Reference 2

Pin	Wire	Circuit	Function
67	0.35 TN	1274	5-Volt Reference 1
68	0.35 BN	436	AIR Pump Relay Control (NU6 or NU5)
69	—	—	Not Available
70	0.35 WH	1310	EVAP Canister Vent Solenoid Control
71-72	—	—	Not Available
73	0.8 PK/BK	5290	Ignition 1 Voltage