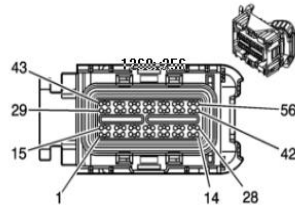


Engine Control Module (ECM) - C1 (MM6)

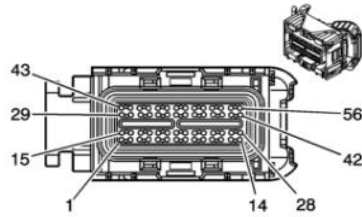


Connector Part Information

- OEM: 15418477
- Service: See Catalog
- 56-Way F Micro-Pack 64 Series (BU)

Pin	Wire Color	Circuit No.	Function
1	TN/BK	2500	High Speed GMLAN Serial Data Bus+
2	TN	2501	High Speed GMLAN Serial Data Bus-
3	--	--	Not Used
4	BN/WH	419	MIL Control
5-6	--	--	Not Used
7	BN	1271	Low Reference
8	PU	1272	Low Reference
9	--	--	Not Used
10	WH/BK	448	Ignition 1 Relay Control
11-12	--	--	Not Used
13	YE/BK	625	Starter Enable Relay Control
14	PK	439	Ignition 1 Voltage
15-17	--	--	Not Used
18	YE	43	Accessory Voltage
19	PK	1439	Ignition 1 Voltage
20	RD/WH	2440	Battery Positive Voltage
21	D-GN/WH	817	Vehicle Speed Signal
22	D-BU	1161	APP Sensor 1 Signal
23	--	--	Not Used
24	D-GN	890	Fuel Tank Pressure Sensor Signal
25	--	--	Not Used
26	OG/BK	380	A/C Refrigerant Pressure Sensor Signal
27-28	--	--	Not Used
29	TN	1274	5-Volt Reference
30	GY	2700	5-Volt Reference
31	GY	2709	5-Volt Reference
32	WH	17	Stop Lamp Switch Signal
33-34	--	--	Not Used
35	WH/BK	1164	5-Volt Reference
36	D-GN	335	Cooling Fan Speed Control
37	D-BU	1936	Fuel Level Sensor Signal - Primary
38	--	--	Not Used
39	L-BU	1937	Fuel Level Sensor Signal - Secondary
40	--	--	Not Used
41	L-BU	1162	APP Sensor 2 Signal
42	L-GN	1652	Reverse Lockout Solenoid Control
43	GY	48	CPP Switch Signal
44	--	--	Not Used
45	D-GN/WH	465	Fuel Pump Relay Control - Primary
46-47	--	--	Not Used
48	WH	121	Engine Speed Signal
49-50	--	--	Not Used
51	PU/WH	1035	Starter Relay Coil Supply Voltage
52-53	--	--	Not Used
54	WH	1310	EVAP Canister Vent Solenoid Control
55	BK/WH	2751	Low Reference
56	--	--	Not Used

Engine Control Module (ECM) - C1 (M32)

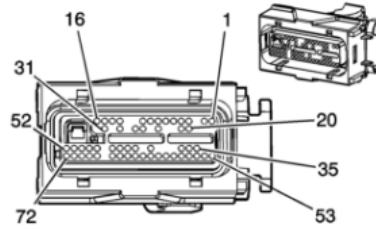


Connector Part Information

- OEM: 15418480
- Service: See Catalog
- 56-Way F Micro-Pack 64 Series (BU)

Pin	Wire Color	Circuit No.	Function
1	TN/BK	2500	High Speed GMLAN Serial Data Bus+
2	TN	2501	High Speed GMLAN Serial Data Bus-
3	--	--	Not Used
4	BN/WH	419	MIL Control
5-6	--	--	Not Used
7	BN	1271	Low Reference
8	PU	1272	Low Reference
9	--	--	Not Used
10	WH/BK	448	Ignition 1 Relay Control
11-12	--	--	Not Used
13	YE/BK	625	Starter Enable Relay Control
14	PK	439	Ignition 1 Voltage
15-17	--	--	Not Used
18	YE	43	Accessory Voltage
19	PK	1439	Ignition 1 Voltage
20	RD/WH	2440	Battery Positive Voltage
21	D-GN/WH	817	Vehicle Speed Signal
22	D-BU	1161	APP Sensor 1 Signal
23	--	--	Not Used
24	D-GN	890	Fuel Tank Pressure Sensor Signal
25	--	--	Not Used
26	OG/BK	380	A/C Refrigerant Pressure Sensor Signal
27-28	--	--	Not Used
29	TN	1274	5-Volt Reference
30	GY	2700	5-Volt Reference
31	GY	2709	5-Volt Reference
32	WH	17	Stop Lamp Switch Signal
33-34	--	--	Not Used
35	WH/BK	1164	5-Volt Reference
36	D-GN	335	Cooling Fan Speed Control
37	D-BU	1936	Fuel Level Sensor Signal - Primary
38	--	--	Not Used
39	L-BU	1937	Fuel Level Sensor Signal - Secondary
40	--	--	Not Used
41	L-BU	1162	APP Sensor 2 Signal
42-44	--	--	Not Used
45	D-GN/WH	465	Fuel Pump Relay Control - Primary
46-47	--	--	Not Used
48	WH	121	Engine Speed Signal
49-53	--	--	Not Used
54	WH	1310	EVAP Canister Vent Solenoid Control
55	BK/WH	2751	Low Reference
56	--	--	Not Used

Engine Control Module (ECM) - C2



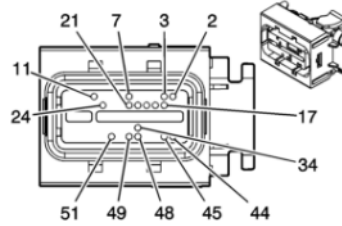
Connector Part Information

- OEM: 15418479
- Service: See Catalog
- 73-Way F Micro-Pack 64 Series (BK)

Pin	Wire Color	Circuit No.	Function
1	L-GN	3212	HO2S Heater Low Control - Bank 2 Sensor 1
2	GY/WH	3113	HO2S Heater Low Control - Bank 1 Sensor 1
3	--	--	Not Used
4	D-BU/WH	878	Fuel Injector 8 Control
5	TN	1744	Fuel Injector 1 Control
6	L-GN/BK	1745	Fuel Injector 2 Control
7	OG/BK	877	Fuel Injector 7 Control
8	L-BU/BK	844	Fuel Injector 4 Control
9	PK/BK	1746	Fuel Injector 3 Control
10	TN/WH	845	Fuel Injector 5 Control
11-12	--	--	Not Used
13	YE/BK	846	Fuel Injector 6 Control
14	YE/BK	1868	Low Reference
15	PK/BK	632	Low Reference
16	BN	2129	Low Reference
17-19	--	--	Not Used
20	OG/BK	469	Low Reference
21	BK	2755	Low Reference
22-23	--	--	Not Used
24	TN/WH	331	Oil Pressure Sensor Signal
25	--	--	Not Used
26	BN/WH	633	CMP Sensor Signal
27	BN	1174	Oil Level Switch Signal
28	--	--	Not Used
29	PU	486	TP Sensor 2 Signal
30	--	--	Not Used
31	D-GN	485	TP Sensor 1 Signal
32-34	--	--	Not Used

35	GY	2704	5-Volt Reference
36	TN/WH	1704	Low Reference
37	GY	2705	5-Volt Reference
38-40	--	--	Not Used
41	L-BU/BK	1688	5-Volt Reference
42	--	--	Not Used
43	L-GN	1867	12-Volt Reference
44	OG	631	12-Volt Reference
45	GY	23	Generator Field Duty Cycle Signal
46	L-GN	432	MAP Sensor Signal
47	--	--	Not Used
48	PU/WH	1665	HO2S High Signal - Bank 1 Sensor 1
49	TN	1664	HO2S Low Signal - Bank 1 Sensor 1
50	D-GN/WH	428	EVAP Canister Purge Solenoid Control
51	PU	1666	HO2S High Signal - Bank 2 Sensor 1
52	TN	2761	Low Reference
53	OG	2127	IC 7 Control
54	PU	2121	IC 1 Control
55	YE	410	ECT Sensor Signal
56	OG	225	Generator Turn On Signal
57	L-BU/WH	2126	IC 6 Control
58	D-GN/WH	2124	IC 4 Control
59	D-GN	2125	IC 5 Control
60	BN	582	TAC Motor Control - 2
61	L-BU	2123	IC 3 Control
62	D-BU/WH	1869	CKP Sensor Signal
63	YE	581	TAC Motor Control - 1
64	BN/WH	2130	Low Reference
65	PU/WH	2128	IC 8 Control
66	OG/WH	2122	IC 2 Control
67	--	--	Not Used
68	D-BU	496	Knock Sensor 1 Signal
69	GY	1716	Low Reference
70	TN	1667	HO2S Low Signal - Bank 2 Sensor 1
71	GY	2303	Low Reference
72	L-BU	1876	Knock Sensor 2 Signal
73	BK/WH	451	Ground

Engine Control Module (ECM) - C3 (MM6)

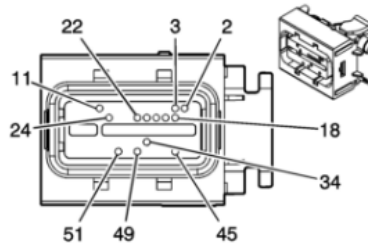


Connector Part Information

- OEM: 15418478
- Service: See Catalog
- 56-Way F Micro-Pack 64 Series (GY)

Pin	Wire Color	Circuit No.	Function
1	--	--	Not Used
2	BN	2391	HO2S Heater Low Control - Bank 1 Sensor 2
3	OG/WH	3223	HO2S Heater Low Control - Bank 2 Sensor 2
4-6	--	--	Not Used
7	YE/BK	1227	Low Reference
8-10	--	--	Not Used
11	YE	492	MAF Sensor Signal
12-16	--	--	Not Used
17	TN	452	Low Reference
18	TN/WH	1669	HO2S Low Signal Bank 1 Sensor 2
19	PU/WH	1668	HO2S High Signal Bank 1 Sensor 2
20	PU	1670	HO2S High Signal Bank 2 Sensor 2
21	TN	1671	HO2S Low Signal Bank 2 Sensor 2
22-23	--	--	Not Used
24	TN	2760	Low Reference
25-33	--	--	Not Used
34	TN	472	IAT Sensor Signal
35-43	--	--	Not Used
44	PU	401	VSS Low Signal
45	YE	400	VSS High Signal
46-47	--	--	Not Used
48	GY	587	Skip/Shift Solenoid Control
49	TN	2759	Low Reference
50	--	--	Not Used
51	D-GN/WH	459	A/C Compressor Clutch Relay Control
52-56	--	--	Not Used

Engine Control Module (ECM) - C3 (M32)



Connector Part Information	<ul style="list-style-type: none"> • OEM: 15418481 • Service: See Catalog • 56-Way F Micro-Pack 64 Series (GY)
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Connector Part Information	<ul style="list-style-type: none"> • OEM: 15418481 • Service: See Catalog • 56-Way F Micro-Pack 64 Series (GY)
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Pin	Wire Color	Circuit No.	Function
1	--	--	Not Used
2	BN	2391	HO2S Heater Low Control - Bank 1 Sensor 2
3	OG/WH	3223	HO2S Heater Low Control - Bank 2 Sensor 2
4-10	--	--	Not Used
11	YE	492	MAF Sensor Signal
12-17	--	--	Not Used
18	TN/WH	1669	HO2S Low Signal Bank 1 Sensor 2
19	PU/WH	1668	HO2S High Signal Bank 1 Sensor 2
20	PU	1670	HO2S High Signal Bank 2 Sensor 2
21	TN	1671	HO2S Low Signal Bank 2 Sensor 2
22	OG/BK	1786	Park/Neutral Signal
23	--	--	Not Used
24	TN	2760	Low Reference
25-33	--	--	Not Used
34	TN	472	IAT Sensor Signal
35-44	--	--	Not Used
45	OG	381	Vehicle Speed Signal
46-48	--	--	Not Used
49	TN	2759	Low Reference
50	--	--	Not Used
51	D-GN/WH	459	A/C Compressor Clutch Relay Control
52-56	--	--	Not Used

