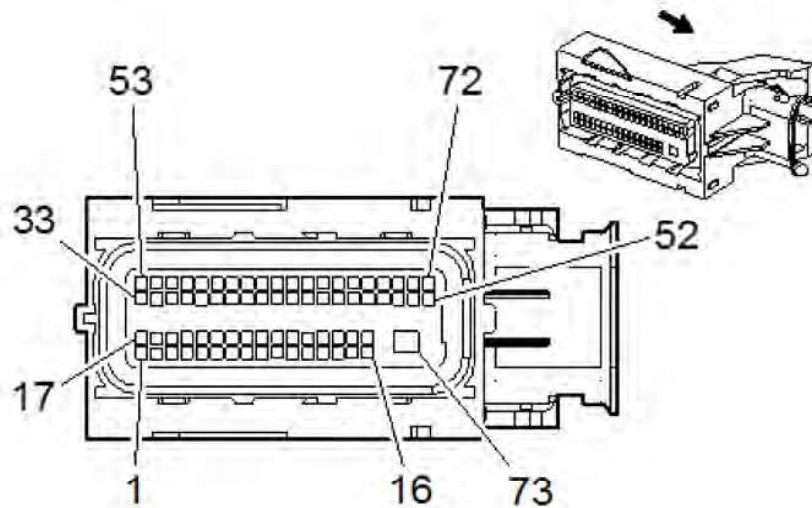


K20 Engine Control Module X1 (L77/LS3)



Connector Part Information

- Harness Type: Engine Harness
- OEM Connector: 12603596
- Service Connector: 13574947
- Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with BK Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool
I	19119437	J-35616-35 (VT)	J-38125-561
II	13575291	J-35616-35 (VT)	J-38125-11A

K20 Engine Control Module X1 (L77/LS3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/GY	1786	Transmission Park/Neutral Signal (1)	I	MYC
2-7	-	-	-	Not Occupied	-	-

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
8	0.5	GN/WH	5007	Reverse Switch Signal	I	MER
9	0.5	WH/BU	6311	Cruise/ETC/TCC Brake Signal	I	-
10	0.5	VT/BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor (2)	I	-
11	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor (2)	I	-
12	0.5	GN	380	A/C Refrigerant Pressure Sensor Signal	I	-
13	0.5	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	I	-
14-15	-	-	-	Not Occupied	-	-
16	0.5	BU/VT	1589	Primary Fuel Level Sensor Signal	I	-
17	-	-	-	Not Occupied	-	-
18	0.5	VT/YE	5985	Accessory Wakeup Serial Data	I	MER
19	0.5	VT/GN	439	Run/Crank Ignition 1 Voltage	I	-
20	0.5	RD/BN	440	Battery Positive Voltage	I	-
21	0.5	YE/VT	6030	Brake Vacuum Sensor Signal	I	-
22	0.5	BK/YE	6032	Brake Vacuum Sensor Low Reference	I	-
23	0.5	BK/VT	1272	Accelerator Pedal Position Low Reference (2)	I	-
24-25	-	-	-	Not Occupied	-	-
26	0.5	YE	6111	Clutch Apply Sensor Signal	I	MER
		WH/GN	5380	Brake Position Sensor Signal	I	MYC
27	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
28	0.5	BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
29	0.5	YE/WH	1161	Accelerator Pedal Position Signal (1)	I	-

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
30	0.5	BK/BU	1271	Accelerator Pedal Position Low Reference (1)	I	-
31	0.5	BK/GN	6281	Fuel Level Sensor Low Reference	I	-
32	0.5	GN/WH	1162	Accelerator Pedal Position Signal (2)	I	-
33	-	-	-	Not Occupied	-	-
34	0.5	BN/RD	2700	A/C Pressure Sensor 5 Volt Reference	I	-
35	-	-	-	Not Occupied	-	-
36	0.5	BN/RD	1274	Accelerator Pedal Position 5 Volt Reference (2)	I	-
37	0.5	BN/VT	472	Intake Air Temperature Sensor Signal	I	-
38	0.5	BK/VT	2760	Intake Air Temperature Sensor Low Reference	I	-
39	-	-	-	Not Occupied	-	-
40	0.5	WH	1579	Fuel Temperature/Composition Signal	I	L77
41	0.5	GN/WH	492	Mass Air Flow Sensor Signal	I	-
42	0.5	BK/GY	6110	Clutch Apply Sensor Low Reference	I	MER
		BK/YE	5382	Low Reference	I	MYC
43-46	-	-	-	Not Occupied	-	-
47	0.75	VT/BU	5290	Powertrain Main Relay Fused Supply (1)	I	-
48	-	-	-	Not Occupied	-	-
49	0.5	YE/BU	3221	Heated Oxygen Sensor Low Signal Bank 2 Sensor (2)	I	-
50	0.5	GN/GY	465	Fuel Pump Primary Relay Control	I	-
51	-	-	-	Not Occupied	-	-
52	0.5	VT/GY	6386		I	-

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
				Starter Enable Relay (PPEI 3) Control		
53	0.5	YE/RD	6031	Brake Vacuum Sensor 5 Volt Reference	I	-
54	0.5	GY/RD	6109	Clutch Apply Sensor Voltage Reference	I	MER
		WH/RD	5381	5 Volt Reference	I	MYC
55	-	-	-	Not Occupied	-	-
56	0.5	WH/RD	1164	Accelerator Pedal Position 5 Volt Reference (1)	I	-
57	-	-	-	Not Occupied	-	-
58	0.5	WH/BK	2366	Cooling Fan Control Relay Speed Signal	I	-
59	0.5	YE	5991	Powertrain Relay Coil Control	I	-
60-62	-	-	-	Not Occupied	-	-
63	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	I	-
64	0.5	WH/BN	3223	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (2)	I	-
65	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (2)	I	-
66-67	-	-	-	Not Occupied	-	-
68	0.5	BN/WH	419	Check Engine Indicator Control	I	-
69	0.5	VT/GN	3220	Heated Oxygen Sensor High Signal Bank 2 Sensor (2)	I	-
70	0.5	BU/WH	1937	Secondary Fuel Level Sensor Signal	I	-
71	0.5	GY/BK	6355	Output Speed High Signal Output	I	-
72	0.5	WH/VT	6356	Output Speed Low Signal	I	MER
73	2.5	BK/WH	451	Signal Ground	II	-