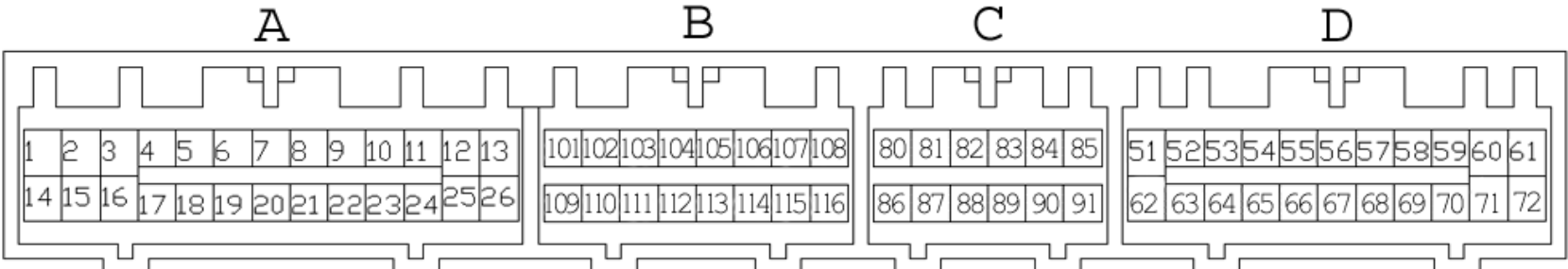


PnP	Means the Plug and Play system comes with this configured for proper operation of this device. Is still available for reassignment by the end user.
Avail	Means the function is not currently allocated and is available for use
Dedicated	Means the location is fixed and cant be changed

Pin #	91-93 3000 GT	AEM PEMS P/N 30-1311	91-93 3000 GT Notes	Channel +/-
1	Injector 1	Injector 1	PnP for Injector 1	17
2	Injector 3	Injector 3	PnP for Injector 3	19
3	Injector 5	Injector 5	PnP for Injector 5	21
4	Idle Air Control Motor	Idle 1	PnP for Idle Motor	35
5	Idle Air Control Motor	Idle 3	PnP for Idle Motor	36
6	EGR Soleniod Valve	J8 (LS output)	Avail, Switched Ground driver, 1.5A max	24
7	Fuel Pressure Solenoid	CUTSWT	Avail, Switch input	4
8	MFI Relay (fuel pump)	LS11 (LS output)	Dedicated - Fuel Pump	11
9	EVAP Purge Soleniod Valve	LS4 (LS output)	Avail, Switched Ground driver, 1.5A max	4
10	Ignition Power Transistor (1-4)	Coil 1	PnP for Coil 1	27
11	Ignition Power Transistor (3-6)	Coil 3	PnP for Coil 3	29
12	MFI Relay Power IN (main)	Inj Pwr	Dedicated	---
13	Ground (cam/crank)	Ground	Dedicated	---
14	Injector 2	Injector 2	PnP for Injector 2	18
15	Injector 4	Injector 4	PnP for Injector 4	20
16	Injector 6	Injector 6	PnP for Injector 6	22
17	Idle Air Control Motor	Idle 2	PnP for Idle Motor	35
18	Idle Air Control Motor	Idle 4	PnP for Idle Motor	36
19	Maf reset switch	LS8 (LS output)	PnP for Maf Reset	8
20	A/C clutch slip input	LS9 (LS output)	Avail, Switched Ground driver, 1.5A max	9
21	Fuel Pump Relay (low speed)	LS2 (LS output)	Avail, Switched Ground driver, 1.5A max	2
22	Magnetic Clutch Relay	LS6 (LS output)	PnP for A/C Compressor	6
23	Ignition Power Transistor (2-5)	Coil 2	PnP for Coil 2	28
24	Electrical Load (input)	SW3 Input	Avail, Switch input	3
25	MFI Relay Power IN (main)	Inj Pwr	Dedicated	---
26	Ground (in)	Ground	Dedicated	---
101	Ignition OK input	Not Used	Dedicated	---
102	Active Exhaust	PW2	PnP for Boost Solenoid (same as 105)	34
103	Active Exhaust Switch	PW1	Avail	33
104	Timing Adjust Connector	Injector 10I (LS output)	Avail, Switched Ground driver, 1.5A max	26
105	Wastegate Solenoid	PW2	PnP for Boost Solenoid	34
106	Check Engine	LS10 (LS output)	PnP for 7,000 RPM Shift Light	10
107	PS Press. Switch	REVSWT	PnP for PS Press	5
108	MFI Relay (Main)	MAIN Relay	Dedicated	---
109	---	LS1 (LS output)	Avail, Switched LS driver, 1.5A max	1
110	---	Idle 6	Avail	37
111	Boost Gauge	ADR16	Avail, 0-5 Volt Input, 100K pull up	16
112	Data Link Connector	ADR15	Avail, 0-5 Volt Input, 100K pull up	15
113	Data Link Connector	HS4 (HS Output)	Avail, Switched 12v, 1.5A max	16
114	ABS Control	TC2+ Input	Avail, RTD Temp	18
115	Magnetic Clutch	SW3 Input	PnP for AC On Request	3
116	---	J7 (LS output)	Avail, Switched Ground driver, 1.5A max	7
80	---	Not Used	Dedicated	---
81	---	PW1I	Avail	33
82	---	SPDSWT (input)	Avail, Switch input	6
83	---	J9 (LS output)	Avail, Switched Ground driver, 1.5A max	25
84	---	LS5 (LS output)	Avail, Switched Ground driver, 1.5A max	5
85	---	HS3 (HS output)	Avail, Switched 12v, 1.5A max	15
86	---	Coil 4	Avail	30
87	---	Not Used	Dedicated	---
88	---	LS12 (LS output)	Avail, Switched Ground driver, 1.5A max	12
89	---	J9i (LS output)	Avail, Switched Ground driver, 1.5A max	25
90	---	ADR11	Avail, 0-5 Volt Input, 100K pull up	11
91	---	FM	Avail, Switched Ground driver, 1.5A max	32
51	Starter Signal	SW	Dedicated	---
52	Intake Air Temp Sensor	AIT	Dedicated	---
53	EGR Temp Sensor	MAP	Avail, default 0-5v MAP sensor input.	2
54	---	EGT1+ Input	Avail, RTD Temp	17
55	Right Bank O2 Sensor	Lambda2	PnP for Lambda 2	9
56	Left Bank O2 Sensor	Lambda1	PnP for Lambda 1	10
57	---	Knock2	Avail, Knock sensor input	5
58	Knock Sensor	Knock1	PnP for Knock Sensor	4
59	---	MAF	Avail, default 0-5v MAF sensor input.	14
60	Battery Back Up	Perm 12V	Dedicated	---
61	5v ref	5 Volt Reference	Dedicated	---
62	Ignition Switch	Ignition Switch	Dedicated	---
63	Engine Coolant Temp. Sensor	Coolant	Dedicated	7
64	Throttle Position Sensor	TPS	Dedicated	1
65	Atmospheric Press. Sensor	AbPress	Dedicated	12
66	Vehicle Speed Sensor	T3 (Speedo)	Dedicated	7
67	Throttle Position Switch	ADR11	Avail, 0-5 Volt Input, 100K pull up	14
68	Camshaft Position Sensor	Cam	Dedicated	7
69	Crankshaft Position Sensor	Crank	Dedicated	6
70	Volume Air Flow Sensor	T4 (TDC)	PnP for Karman MAF	8
71	Ground	Ground	Dedicated	---
72	Sensor Ground	Sensor Ground	Dedicated	---



30-1311 (91-93) AS VIEWED FROM END OF EMS