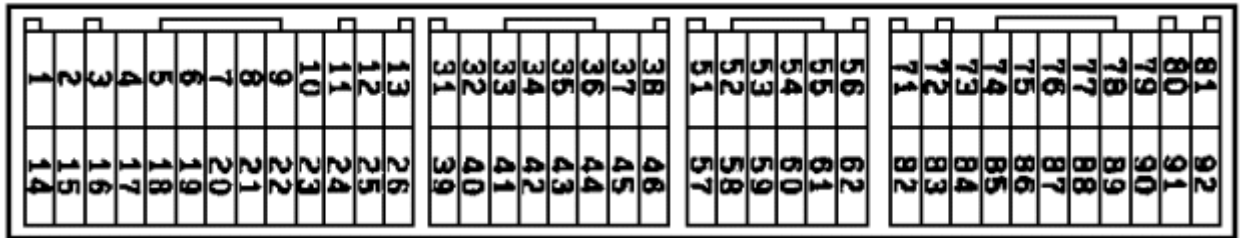


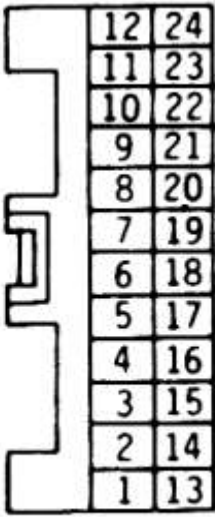
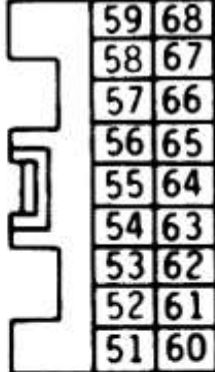
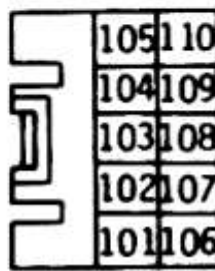
2G Turbo Engine Control Unit, Horizontal Layout



Pin	Connection	Pin	Connection
1	No. 1 Injector	14	No. 2 Injector
2	No. 3 Injector	15	No. 4 Injector
3	Fuel pressure solenoid	16	Boost meter
4	Idle Speed Control (ISC) motor coil (A1)	17	ISC motor coil (A2)
5	ISC motor coil (B1)	18	ISC motor coil (B2)
6	EGR Solenoid	19	Volume air flow sensor reset signal
7	Engine/transaxle general control torque reduction request signal 1	20	Cooling fan motor relay (high)
8	Fuel pump relay	21	Cooling fan motor relay (low)
9	Evaporate emission purge solenoid	22	AC compressor clutch relay
10	Ignition power transistor (A - to coil for cyl 1&4)	23	Ignition power transistor (B - to coil for cyl 2&3)
11	Turbo wastegate solenoid	24	
12	Power supply	25	Power supply
13	Power supply	26	
Pin	Connection	Pin	Connection
31		39	
32		40	
33	Generator G terminal	41	Generator FR terminal
34		42	AC intermediate pressure switch
35		43	Engine/transaxle general control torque reduction request signal 2
36	Check Engine light	44	
37	Power steering pressure switch	45	AC switch

38	MFI relay (power supply)	46	Engine/transaxle general control torque execution signal
Pin	Connection	Pin	Connection
51		57	
52		58	Engine ignition signal
53		59	
54	O2 sensor heater (rear)	60	O2 sensor heater (front)
55		61	
56		62	
Pin	Connection	Pin	Connection
71	Ignition switch - ST	82	
72	Intake air temp sensor	83	Coolant temp sensor
73	Manifold differential pressure sensor	84	Throttle position sensor
74		85	Barometric pressure sensor
75	O2 sensor (rear)	86	Vehicle speed sensor
76	O2 sensor (front)	87	Closed throttle position switch (Idle switch)
77		88	Camshaft position sensor
78		89	Crankshaft position sensor
79		90	Volume air flow sensor
80	Backup power supply	91	Park/Neutral position switch (used on ATs only)
81	Sensor impressed voltage	92	Ignition switch - IG

2G Turbo ECU, Vertical Layout

		Pin	Connection	Pin	Connection																								
	12	24	<div style="text-align: center; border: 1px solid black; padding: 2px;"> <table border="1" style="margin: auto;"> <tr><td>81</td><td>92</td></tr> <tr><td>80</td><td>91</td></tr> <tr><td>79</td><td>90</td></tr> <tr><td>78</td><td>89</td></tr> <tr><td>77</td><td>88</td></tr> <tr><td>76</td><td>87</td></tr> <tr><td>75</td><td>86</td></tr> <tr><td>74</td><td>85</td></tr> <tr><td>73</td><td>84</td></tr> <tr><td>72</td><td>83</td></tr> <tr><td>71</td><td>82</td></tr> </table> </div>	81	92	80	91	79	90	78	89	77	88	76	87	75	86	74	85	73	84	72	83	71	82	81	Sensor impressed voltage	92	Ignition switch - IG
	81	92																											
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11	23	80	Backup power supply	91	Park/Neutral position switch (used on ATs only)																								
10	22	79		90	Volume air flow sensor																								
9	21	78		89	Crankshaft position sensor																								
8	20	77		88	Camshaft position sensor																								
7	19	76	O2 sensor (front)	87	Closed throttle position switch (Idle switch)																								
6	18	75	O2 sensor (rear)	86	Vehicle speed sensor																								
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	104	109																											
	103	108																											
	102	107																											
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37	45
36	44
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Pin	Connection	Pin	Connection
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37	Power steering pressure switch	45	AC switch
36	Check Engine light	44	
35		43	Engine/transaxle general control torque reduction request signal 2
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13	26
12	25
11	24
10	23
9	22
8	21
7	20
6	19
5	18
4	17
3	16
2	15
1	14

Pin	Connection	Pin	Connection
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