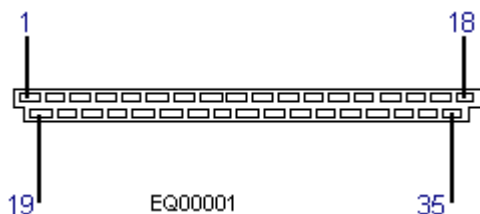


Number of ECM pins: 35



Pin	Connection	Test condition	Volts/Duty Cycle etc
1	ignition system control unit	cranking/running	switching 0 to nbv
2	TPS idle contact : t1	Ignition on throttle closed	zero
		throttle part/fully open	5.0 ± 0.1
3	TPS full-load contact: t3	Ignition on throttle closed/part open	5.0 ± 0.1
		throttle fully open	zero
4	supply from battery: t30	ignition off/on/running	nbv
5	earth	ignition on/running	0.25 max
6	AFS return: t2	ignition on/running	0.25 max
7	AFS signal: t3	ignition on idle	0.20 to 0.70 1.5
		3000 rpm	2.4
		snap open throttle	4.0+
8	AFS hot wire burn-off: t4	coolant above 65° C, rpm above 2500, switch off engine	hot wire glows for 1.0 second
9	supply from main relay : t87	ignition on/running	nbv
10	unused		
11	unused		
12	SD connector		
13	CTS	ignition on/running	20°C 2.70 80°C 0.75
14	A/C compressor		
15	vehicle coding		
16	SD connector		
17	earth	ignition on/running	0.25 max
18	injectors	ignition on cranking cold running cold cranking warm running warm 2000 rpm 3000 rpm snap acceleration deceleration	nbv 3.8 ms 3.8 ms 2.4 ms 2.4 ms 2.2 ms 2.1 ms 6.0+ ms zero
19	earth	ignition on/running	0.25 max
20	pump relay driver: t85	ignition on cranking/running	nbv 1.25 max
21	main relay driver: t85	ignition off ignition on/running	nbv 1.25 max
22	SD warning lamp	ignition on/running no faults present faults present	nbv 0.25 max
23	unused		
24	OS signal (some models)	engine running throttle fully open fuel cut off switching frequency	200 to 1000 mv 1.0v constant 0 volts constant 1 sec intervals (approx)
25	ignition system control unit		

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26	gear shift indicator (some models)		
27	CFSV: t1	ignition on	nbv
		engine running, active	variable
28	KS signal: t2	KS active	1.0 approx (peak to peak)
29	earth	ignition on/running	0.25 max
30	signal from AT or SD connector		
31	Fuel consumption signal		
32	Cold start valve driver (some models)		
33	ISCV signal: t1	ignition on	nbv
		engine running:	
		cold	6.0 to 6.5
		hot	7.0 to 9.0 approx
34	VSS	vehicle running	switching 0v to nbv
35	ignition switch: t15	ignition on/running	nbv

< END >