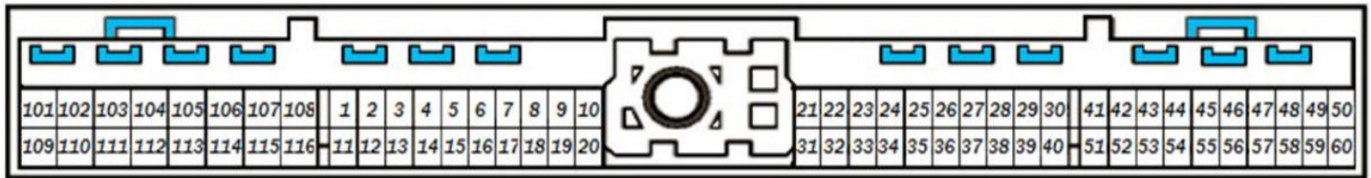


200SX S13 CA18DET ECU PINOUT



V1.0 by Henssler 01/2025

101	INJECTOR 1	Output for Injector #1
102	-	Unused
103	INJECTOR 3	Output for Injector #3
104	-	Unused
105	* „EXTRA WIRE“	MAF Potentiometer in non CAT models
106	Idle Air Control Valve	Idle Control Solenoid
107	ENGINE GROUND	Ground on Intake Manifold (Thick Wire)
108	ENGINE GROUND	Same as Pin 107
109	ECU POWER	ECU Main Power when ECCS Relay On (Thick Wire)
110	INJECTOR 2	Output for Injector #2
111	FUEL PRESSURE SOLENOID	Fuel Pressure Solenoid
112	INJECTOR 4	Output for Injector #4
113	-	Unused
114	-	Unused
115	O2 SENSOR HEATER WIRE	Switches O2 Heater Wire to Ground
116	ENGINE GROUND	Same as Pin 107 and 108

1	IGNITION 1	Signal to Igniter for Coil #1
2	IGNITION 2	Signal to Igniter for Coil #2
3	IGNITION 3	Signal to Igniter for Coil #3
4	-	Unused
5	-	Unused
6	A/C RELAY	A/C Relay for A/C Fan/Compressor/FICD
7	TACHOMETER SIGNAL OUTPUT	RPM Signal to RPM Gauge in Cluster
8	*VARIABLE INTAKE BUTTERFLY	Variable Intake Butterfly Solenoid (JDM Only)
9	-	Unused
10	ENGINE GROUND	Ground on Intake Manifold
11	IGNITION 4	Signal to Igniter for Coil #4
12	-	Unused
13	-	Unused
14	-	Unused
15	-	Unused
16	ECCS RELAY	ECCS Relay-Powers ECU and Components
17	-	Unused
18	FUEL PUMP RELAY (FP)	To Fuel Pump Relay Coil
19	-	Unused
20	ENGINE GROUND	Same as Pin 10

21	-	Unused
22	-	Unused
23	KNOCK SENSOR SIGNAL	Shielded Wire to Knock Sensor
24	-	Unused
25	-	Unused
26	MAF SENSOR GROUND	Ground for MAF Sensor Signal
27	MAF SENSOR	MAF Sensor Signal
28	ENGINE COOLANT TEMP SENSOR (CLT)	Engine Coolant Temp Sensor Sensor
29	O2 SENSOR SIGNAL	O2 Sensor Signal
30	SENSOR GROUND	Ground for Engine Sensors
31	-	Unused
32	*ENGINE FAULT LAMP	Engine Fault Lamp in Cluster (Unused)
33	-	Unused
34	-	Unused
35	-	Unused
36	-	Unused
37	-	Unused
38	THROTTLE POSITION SENSOR (TPS)	Throttle Position Sensor Signal
39	-	Unused
40	-	Unused

41	„CAM“ POSITION SENSOR	Cylinder Position Sensor in CAS
42	„CRANK“ POSITION SENSOR	Engine Speed Sensor also in CAS
43	START SIGNAL (50)	+12V from Ignition Switch when Starting
44	NEUTRAL POSITION SWITCH	Neutral Position Sensor in Gearbox
45	IGNITION SWITCH (15)	+12 from Ignition Switch when set to „ON“
46	THERMISTOR CONTROL AMPLIFIER	A/C „ECU“ Temperature Sensor
47	-	Unused
48	SENSOR +5V SUPPLY	+5V Supply for Engine Sensors
49	ECU POWER	ECU Main Power when ECCS Relay On
50	ECU GROUND	Ground used for Shielding and CAS (Goes to Manifold, Small Wire)
51	„CAM“ POSITION SENSOR	Same as Pin 41
52	„CRANK“ POSITION SENSOR	Same as Pin 42
53	VEHICLE SPEED SENSOR (VSS)	Vehicle Speed Signal <u>from</u> Speedometer
54	THROTTLE SWITCH	„IDLE“ Position Switch
55	-	Unused
56	-	Unused
57	THROTTLE SWITCH	Supply for Throttle Position Switch
58	POWER SUPPLY (BACK UP)	+30 Battery Connection for Memory
59	ECU POWER	Same as Pin 49
60	ECU GROUND	Same as Pin 50

ENGINE AND EMISSION CONTROL OVERALL SYSTEM

Circuit Diagram

(For Wiring Diagram — see pull-out following page EL-108.)

