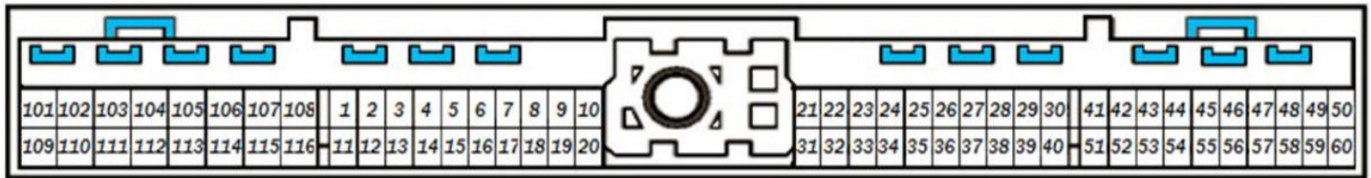


# 200SX S13 CA18DET ECU PINOUT



V1.0 by Hensler 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	<b>KNOCK SENSOR SIGNAL</b>	<b>Shielded Wire to Knock Sensor</b>
24	-	Unused
25	-	Unused
26	<b>MAF SENSOR GROUND</b>	<b>Ground for MAF Sensor Signal</b>
27	<b>MAF SENSOR</b>	<b>MAF Sensor Signal</b>
28	<b>ENGINE COOLANT TEMP SENSOR (CLT)</b>	<b>Engine Coolant Temp Sensor Sensor</b>
29	<b>O2 SENSOR SIGNAL</b>	<b>O2 Sensor Signal</b>
30	<b>SENSOR GROUND</b>	<b>Ground for Engine Sensors</b>
31	-	Unused
32	<b>*ENGINE FAULT LAMP</b>	<b>Engine Fault Lamp in Cluster (Unused)</b>
33	-	Unused
34	-	Unused
35	-	Unused
36	-	Unused
37	-	Unused
38	<b>THROTTLE POSITION SENSOR (TPS)</b>	<b>Throttle Position Sensor Signal</b>
39	-	Unused
40	-	Unused

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

