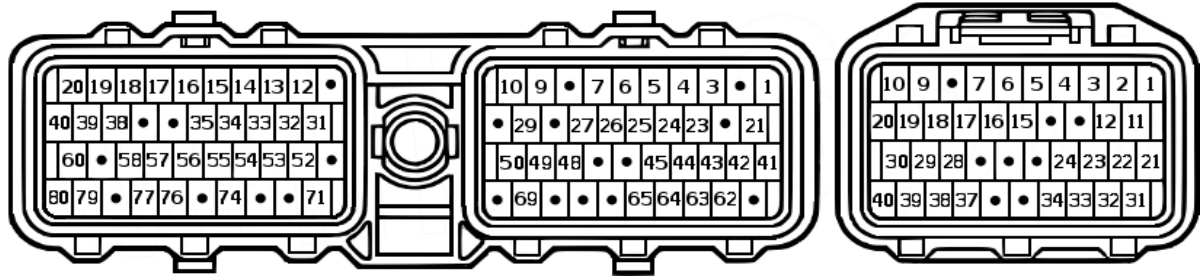


Toyota Supra JZA80 / Aristo JZS147 2JZ-GTE non-vvti ECU Pinout Diagram



pin	description 80 PIN	wire
3	Speed Sensor #2 (SP2-)	
4	ECU GROUND (E11)	
5	Cam Position Sensor (G2-)	
6	Cam Position Sensor (G1-)	
7	Crank Position Sensor (NE-)	
15	INJECTOR #6	
16	INJECTOR #5	
17	INJECTOR #4	
18	INJECTOR #3	
19	INJECTOR #2	
20	INJECTOR #1	
23	Speed Sensor Input (SP2+)	
25	Cam Position Sensor (G2)	
26	Cam Position Sensor (G1)	
27	Crank Position Sensor (NE)	
29	Voltage Feedback (VF1)	
32	Idle Speed Control - ISC4	
33	Idle Speed Control - ISC3	
34	Idle Speed Control - ISC2	
35	Idle Speed Control - ISC1	
38	Exhaust Bypass (VSV3)	
39	Exhaust Gas (VSV2)	
40	Intake Bypass (VSV1)	
41	+5V POWER (VCC)	
43	TPS Sensor (VTA1)	
44	ECT Sensor (THW)	
45	IAT Sensor (THA)	
48	Oxygen Sensor	
49	Knock Sensor #2	
50	Knock Sensor #1	
52	IGNITION #6	
53	IGNITION #5	
54	IGNITION #4	
55	IGNITION #3	
56	IGNITION #2	
57	IGNITION #1	
58	Ignitor Feedback (IGF)	

pin	description 40 PIN	wire
1	Ignition Switch (IGSW)	
2	Speed Sensor	
4	Stop Light Switch	
5	Exhaust Gas Warn Light	
6	Engine Check Light	
15	Electrical Load Switch	
17	DIAG (TT)	
19	DIAG (TE2)	
20	DIAG (TE1)	
21	FPCM - Diag Input	
22	FPCM - Speed	
23	A/C - clutch relay	
24	Main Relay (M-REL)	
29	CCO Temp Sensor	
31	Switched Power (+B)	
32	Switched Power (+B1)	
33	Battery Power (BATT)	
34	A/C Signal	
40	TPS (VTO1)	

pin	description 80 PIN	wire
60	Wastegate Valve (PMC)	
62	MAP Sensor INPUT (PIM)	
64	TPS Idle Switch (IDL1)	
65	SENSOR GROUND (E2)	
69	ECU GROUND (E1)	
71	Oxygen Sensor heater	
74	Charcoal Cannister Valve	
76	Neutral Switch (NSW)	
77	Starter Signal (STA)	
79	ECU GROUND (E02)	
80	ECU GROUND (E01)	

OPTIONAL PINS

Automatic Transmission or Traction Control

pin	description 80 PIN	wire
1	A/T - Overdrive (NCO-)	
9	A/T - S2 solenoid	
10	A/T - S1 solenoid	
12	A/T - SLT solenoid	
13	A/T - SLN solenoid	
14	A/T - #2 lock up solenoid	
21	A/T - Overdrive (NCO+)	
24	A/T - Oil Temp Sensor	
31	A/T - Solenoid (SLT+)	
42	T/C - TPS (VTA2)	
63	T/C - TPS Idle Switch (IDL2)	
76	A/T - Neutral Switch (NSW)	

pin	description 40 PIN	wire
3	A/T - Kick Down Switch	
7	A/T - Reverse Indicator	
9	A/T - 2nd Indicator	
10	A/T - Low gear Indicator	
11	A/T - cruise control	
12	A/T - overdrive disable	
16	T/C - TR1 (??)	
18	A/T - Power / Normal	
28	A/T - Overdrive 2 Disable	
30	T/C - TR0 (??)	
37	T/C - TR2 (??)	
38	T/C - Crank Sensor (NEO)	
39	T/C - TPS (VTO2)	