

Toyota Supra 2JZ-GTE VVT-i

Supra Pin	Description	V88 Pin	Function
C1	Battery power		
C2			
C3			
C4	Fuel pump controller signal	A20	AUX 2
C5	Fuel pump controller +5v signal	A29	AUX 5
C6	Engine check light -ve	B13	IGN 5
C7	CMOS Battery power		
C8	ECU +12v supply EFI relay		
C8			
C9	Ignition Switch		(Linked to C10)
C10	Main EFI relay -ve		(Linked to C9)
C11	Diagnostic connector SIL		
C12			
C13			
C14			
C15			
C16	ECU +12v supply EFI relay	A5-B5	+12v Supply
C17			
C18			
C19			
C20			
C21			
C22	ECU Ground	A34-25	ECU Ground
D1	Injector 3	A2	INJ 3
D2	Injector 4	A1	INJ 4
D3	Injector 5	B4	INJ 5
D4	Injector 6	B3	INJ 6
D5	Inlet gas regulator valve -ve	A10	
D6			
D7	Throttle motor -	B18	AUX 9
D8	Throttle motor +	B26	AUX 10
D9	ECU Ground	B34-25	ECU Ground
D10	Camshaft signal +ve	A9	Trigger 2
D11	Ignition Coils 1&6	A13	IGN 1
D12	Ignition Coils 2&5	A12	IGN 2
D13	Ignition Coils 3&4	A11	IGN 3
D14			
D15	Wastegate Solenoid -ve	A18	AUX 4
D16			
D17	Cam control solenoid GND	A21	AUX 1
D18	Cam control solenoid +ve (12v)	A5	+12 Supply
D19	Throttle motor clutch -ve	A26	AUX 8
D20	Throttle motor clutch +12v	A5	+12 Supply
D21	ECU Ground	A34	ECU Ground
D22	Crankshaft trigger signal -ve	A25	GND Out
D23	Crankshaft trigger signal +ve	A8	Trigger 1
D24	+12 volt to starter sense circuit	A23	Digital 3

D25	Ignition IGF signal	N/C	
D26			
D27	Knock sensor 2 signal	B8	Knock 2
D28	Knock sensor 1 signal	B9	Knock 1
D29			
D30			
D31	ECU Ground	B25	ECU Ground
E1			
E2	+5v Supply	A32	+5v Supply
E3	EGR valve -ve	A27	AUX 7
E4	O2 Sensor heater -ve	B1	INJ 8
E5	Injector 1	A4	INJ 1
E6	Injector 2	A3	INJ 2
E7	Canister purge VSV -ve	A28	AUX 6
E8			
E9	MAP sensor signal	A17	Volt 1
E10	Air flow meter signal	B6	(Note 1)
E11			
E12	O2 Sensor signal	A14	Volt 4 (Note2)
E13			
E14	Coolant temp signal	A15	Temp 1
E15	PPS Main signal	B23	Volt 8
E16	PPS Sub signal	B24	Volt 9
E17	ECU Ground	A34	ECU Ground
E18	Sensor ground	A24	GND Out
E19	Air flow meter ground	A34	GND Out
E20			
E21			
E22	Air temperature signal	A16	Temp 2
E23	TPS Main signal	B15	Volt 6
E24	TPS Sub signal	B16	Volt 7
F1			
F2			
F3			
F4			
F5			
F6			
F7			
F8			
F9			
F10			
F11			
F12	EGR bypass valve -ve	B10	IGN 8
F13			
F14			
F15			
F16	Fuel pressure regulator VSV -ve	B12	IGN 6
F17			

G1	AC Request	B21	Digital 4
G2	Starter signal	B20	Digital 5
G3			
G4			
G5	Diagnostic connector TC	N/C	
G6			
G7			
G8			
G9			
G10			
G11			
G12			
G13	AC Clutch relay -ve	B2	INJ 7
G14			
G15			
G16			
G17			
G18	ABS	N/C	
G19	ABS	N/C	
G20	Tachometer signal	B11	IGN 7
G21	ABS	N/C	
G22			
G23			
G24			
G25	Vehicle speed signal	B19	Digital 6
G26	Electrical Load signal	N/C	
G27			
G28			

Note1. Jumper JP2 connects MAF signal to B6 (Temp 3).

Note2. Jumper JP1 connects stock O2 sensor to Volt4 input. This jumper can be removed while tuning, and wires for wideband O2 signal, soldered to marked holes on PCB.

