



Pin	ECU Pin	Function	Pin	ECU Pin	Function
A1	Injector 1	Injection	C16	nc	
A2	Injector 2	Injection	C17	Injector 5 (Aux)	Speed Signal Out
A3	Injector 3	Injection	C18	nc	
A4	Injector 4	Injection	C19	DI 10	Brake Signal
A5	Aux 1	Idle Control Motor	C20	nc	
A6	Ground	Ground	C21	nc	
A7	Ground	Ground	C22	nc	
A8	Ignition 1	Ignition	C23	nc	
A9	Ignition 2	Ignition	C24	nc	
A10	Ignition 3	Ignition	C25	nc	
A11	Ignition 4	Ignition	C26	nc	
A12	Aux 14	Purge	C27	nc	
A13	nc		C28	nc	
A14	nc		C29	nc	
A15	nc		C30	nc	
A16	nc		C31	nc	
A17	nc		C32	nc	
A18	+5V Out	5 Volt Refernce	C33	nc	
A19	AN Temp 1	ECT	C34	nc	
A20	AN Temp 3	Ambient IAT	C35	nc	
A21	AN Volt 2	Throttle Position			
A22	nc	Fuel Pressure VSV	D1	+14V	ECU Power
A23	nc	VVT Solenoid PWM Ground (Redtop Beams)	D2	nc	
A24	nc		D3	nc	(+14V Battery)
A25	nc		D4	nc	
A26	Trig 2	Intake Cam Sync Signal	D5	Aux 3	Tach Output
A27	Trig 1	Crank Speed Signal	D6	Aux 8	Fan Control Relay
A28	Ground		D7	nc	
A29	nc		D8	Connect to D9	MREL
A30	nc		D9	Connect to D8	Ign SW +12V
A31	AN Temp 2	IAT (Manifold Air Temp)	D10	Aux 7	Fuel Pump
A32	nc		D11	Aux 5	Check Engine Light
A33	nc		D12	nc	
A34	Ground		D13	nc	
			D14	nc	
B1	Knock 1	Knock 1	D15	Ground	
B2	Ground	Knock Sensor Ground	D16	nc	
B3	nc		D17	nc	
B4	nc		D18	nc	
B5	Aux 2	Boost Control Solenoid	D19	nc	
B6	Aux 6	Fuel Pressure VSV	D20	DI 7	Test Connector
B7	Ground		D21	nc	
B8	nc		D22	nc	
B9	DI 8	Start Signal Input	D23	DI 2	AC Amplifier
B10	nc		D24	nc	
B11	nc		D25	nc	
B12	nc		D26	nc	
B13	Aux 4	Fuel Pump HI/Low Speed	D27	nc	
B14	nc		D28	nc	
B15	nc		D29	nc	
B16	nc		D30	nc	
B17	nc		D31	nc	
B18	nc				
B19	nc		On Board MAP	AN Volt 11	MAP
B20	nc		On Board WBO2	AN Volt 12	Lambda 1/Wideband O2 Input
B21	AN Volt 1	NB Oxy	Expansion 1	Ignition 5	
B22	nc		Expansion 2	Ignition 6	
B23	nc		Expansion 3	Ignition 7	
B24	AN Volt 3	MAP (OEM)	Expansion 4	Ignition 8	
B25	nc		Expansion 5	Aux 11	
B26	DI 3	NC+ Speed Signal	Expansion 6	Aux 12	
B27	DI 9	NT+ Rotation Speed Signal	Expansion 7	AN Volt 9	
B28	nc		Expansion 8	AN Volt 10	
B29	DI 1	PSW			
B30	nc				
B31	nc		Expansion 9	Ground	
B32	nc		Expansion 10	+5V	
B33	nc		Expansion 11	DI 5	
B34	Ground	NC-	Expansion 12	DI 6	
B35	Ground	NT-	Expansion 13	AN Volt 5	
			Expansion 14	AN Volt 6	
C1	nc		Expansion 15	AN Volt 7	
C2	nc		Expansion 16	AN Volt 8	
C3	nc				
C4	Injector 6 (Aux)	NB Oxy Heater	CAN 1_1	CAN Ground	
C5	nc		CAN 1_2	CAN 1 Low	
C6	nc		CAN 1_3	CAN 1 High	
C7	nc		CAN 1_4	RS232/RX	non-functional on G4X
C8	nc		CAN 1_5	RS232/TX	non-functional on G4X
C9	nc				
C10	nc		CAN 2_1	CAN Ground	
C11	nc		CAN 2_2	CAN 2 Low	
C12	nc		CAN 2_3	CAN 2 High	
C13	nc		CAN 2_4	nc	
C14	nc		CAN 2_5	+14V	
C15	nc				