



Pin	ECU Pin	Function	Pin	ECU Pin	Function
A1	+12V BATT	Battery 12V	B47	nc	
A2	+14V	Main power from Main EFI Relay	B48	nc	
A3	+14V	Main power from Main EFI Relay	B49	Aux 4	VVT Control Bank 2 Exhaust
A4	nc		B50	+14V	VVT B2E Solenoid +14V
A5	nc		B51	Aux 2	VVT Control Bank 2 Intake
A6	nc		B52	+14V	VVT B2I Solenoid +14V
A7	nc		B53	nc	
A8	nc		B54	nc	
A9	nc		B55	Aux 3	VVT Control Bank 1 Exhaust
A10	CAN 2H	CAN 2 H	B56	+14V	VVT B1E Solenoid +14V
A11	CAN 2L	CAN 2 L	B57	Aux 1	VVT Control Bank 1 Intake
A12	nc		B58	+14V	VVT B1I Solenoid +14V
A13	DI6	Speed Sensor	B59	nc	
A14	nc		B60	nc	
A15	Aux 5	Tachometer output	B61	nc	
A16	nc		B62	Aux 11	ACIS intake manifold VSV
A17	nc		B63	Aux 7	Purge VSV
A18	nc		B64	DI 4	VVT Position Bank 2 Exhaust
A19	nc		B65	Ground	VVT Sensor B2E Ground
A20	+12V BATT	Battery 12V	B66	+5V	VVT Sensor 5V Ref
A21	nc		B67	+5V	VVT Sensor 5V Ref
A22	nc		B68	Ground	VVT Sensor B1E Ground
A23	nc		B69	DI 3	VVT Position Bank 1 Exhaust
A24	Aux 13	Check Engine Light	B70	nc	
A25	nc		B71	nc	
A26	nc		B72	nc	
A27	nc		B73	AN Temp 4	MAF Sensor IAT
A28	IGNSW	Connects to Pin A34 MREL	B74	AN Volt 3	MAF Sensor Signal
A29	nc		B75	Ground	MAF Sensor Ground
A30	nc		B76	AN Temp 3	ECT Coolant Temp Sensor
A31	Ground	Ground	B77	AN Volt 7	TPS Throttle Position Sensor Sub
A32	DI1	Electric Load Sensing for Idle Up	B78	AN Volt 6	TPS Throttle Position Sensor Main
A33	nc		B79	Ground	TPS Ground
A34	MREL	Connects to Pin A28 IGNSW	B80	+5V	TPS +5V Reference
A35	nc		B81	Ground	Ground
A36	DI 5	Brake Switch Input	B82	Ground	Ground
A37	nc		B83	Ignition 7 (Aux)	VSV for Air Control Module (ACM)
A38	nc		B84	Injector 5	Injection
A39	nc		B85	Injector 3	Injection
A40	nc		B86	Injector 1	Injection
A41	nc		B87	DI2	VVT Position Bank 2 Intake
A42	nc		B88	Ground	VVT Sensor B2I Ground
A43	nc		B89	Ground	VVT Sensor B1I Ground
A44	nc		B90	Trig 2	VVT Position Bank 1 Intake
A45	AN Volt 8	Cruise Control Input	B91	nc	
A46	DI 7	Start Signal Input	B92	nc	
A47	nc		B93	Ground	Knock Sensor Ground
A48	Aux 12	FPR - Fuel Pump Hi/Low Speed	B94	Knock 1	Knock Sensor 1
A49	nc		B95	nc	
A50	nc		B96	nc	
A51	nc		B97	Ground	ECT sensor Ground
A52	Aux 6	FC - Fuel Pump - Circuit Opening Relay	B98	Ground	MAF sensor Ground
A53	nc		B99	nc	
A54	nc		B100	nc	
A55	AN Volt 4	APS Main	B101	nc	
A56	AN Volt 5	APS Sub	B102	Ground	AFR Sensor 1 Bank 2 Ground
A57	+5v	5V Ref for APS	B103	AN Volt 2	AFR Sensor 1 Bank 2 Signal
A58	Ground	Ground for APS	B104	nc	
A59	+5v	5V Ref for APS	B105	nc	
A60	Ground	Ground for APS	B106	nc	
			B107	Injector 6	Injection
B1	CAN 1L	CAN 1 L	B108	Injector 4	Injection
B2	nc		B109	Injector 2	Injection
B3	nc		B110	Trig 1	Crankshaft Position Sensor NE+
B4	nc		B111	Ground	Crankshaft Position Sensor Ground NE-
B5	nc		B112	nc	
B6	nc		B113	nc	
B7	nc		B114	nc	
B8	nc		B115	nc	
B9	nc		B116	Ground	Knock Sensor Ground
B10	nc		B117	Knock 2	Knock Sensor 2
B11	nc		B118	nc	
B12	nc		B119	nc	
B13	nc		B120	DI 7	Start Signal via Park/Neutral Switch
B14	nc		B121	nc	
B15	nc		B122	nc	
B16	nc		B123	nc	
B17	Ground	Ground Shielding for Pins B18 and B19	B124	nc	
B18	Aux 10	E-Throttle Motor M -	B125	Ground	AFR Sensor 1 Bank 1 Ground
B19	Aux 9	E-Throttle Motor M +	B126	AN Volt 1	AFR Sensor 1 Bank 1 Signal
B20	Ground	AFR Sensor 1 Bank 2 Ground			
B21	Ground	Ground	Onboard	AN Volt 11	Lambda 2/Wideband O2 Input
B22	Ground	AFR Sensor 1 Bank 1 Ground	Onboard	AN Volt 12	Lambda 1/Wideband O2 Input
B23	Ground	Ground	Onboard	Aux 15	Lambda 2 on/off
B24	CAN 1H	CAN 1 H	Onboard	Aux 16	Lambda 1 on/off
B25	nc		Onboard	AN Volt 10	Onboard MAP sensor
B26	nc				
B27	nc		Expansion	Ground	
B28	nc		Expansion	+5V	
B29	nc		Expansion	AN Volt 1	
B30	nc		Expansion	AN Volt 2	
B31	nc		Expansion	Ground	
B32	Ignition 8 (Aux)	Alternator Control (ALT)	Expansion	+5V	
B33	nc		Expansion	AN Volt 9	
B34	nc		Expansion	AN Temp 1	
B35	Ignition 6	Ignition	Expansion	AN Temp 2	
B36	Ignition 5	Ignition	Expansion	DI8	
B37	Ignition 4	Ignition	Expansion	+12V	
B38	Ignition 3	Ignition	Expansion	DI9	
B39	Ignition 2	Ignition	Expansion	DI10	
B40	Ignition 1	Ignition	Expansion	Ground	
B41	+12V BATT ETCS	nc - +12V Batt through 10A ETCS	Expansion	Aux8	
B42	Ground	Ground	Expansion	Aux14	
B43	Ground	Ground	Expansion	+12V	
B44	Ground	O2 Bank 2 Sensor 2 Ground	Expansion	CAN1L	
B45	nc		Expansion	CAN1H	
B46	Ground	Ground	Expansion	Ground	