	5	4	3	2	1	9	8	7	6	5	4	3	2	1	12	11	10	9	8	7	6	5	4	3	2	1
	10	9	8	7	6	18	17	16	15	14	13	12	11	10	24	23	22	21	20	19	18	17	16	15	14	13
			S or C							R or B											Q or A					
4AGZE	E01	RSC	STA	EGR	NSW	#10	#20	G-	G1	G2	NE	VSV3	IGF	THW	R/P	VSV2	L1	L2	TIL	SPD	ELS1	THA	VS	VC	BATT	ELS2
	E02	RSO	IGT	E1	SMC			VF	T	VTA	IDL	HT	OX	E2	E22		L3	ECT1	AC	W	FPU	KNK		THG	+B	+B1
			S or C							R or B											Q or A					
G1 3SGTE	E01	ISC1	STA	STJ		#10	#20	G-	G1	G2	NE	FPR	IGF	THW	WIN	TPC				SPD	STP	THA	VS	VC	BATT	ELS
	E02	ISC2	IGT	E1	TVIS	#30	#40	VF	T	VTA	IDL	HT	OX	E2	E22	EGR			AC	W	FPU	KNK	PIM	THG	+B	+B1
			S or C							R or B											Q or A					

3SGTE Pin	4AGZE Pin	ECU Pin	3SGTE G1 Function	4AGZE Function
S1	C1	nc		
S2	C2	nc		
S3	C3	DI 8	Start Signal	Start Signal
S4	C4	Aux 2	Idle Control	Idle Control
S5	C5	Ground	Ground	Ground
S6	C6	Aux 8	TVIS	SC Clutch Relay
S7	C7	Ground	Ground	Ground
S8	C8	IGN 1	Igntion	Ignition
S9	C9	Aux 1	Idle Control	Idle Control
S10	C10	Ground	Ground	Ground
R1	B1	AN Temp 1	ECT	ECT
R2	B2	nc		
R3	B3	INJ 5 (Aux.)	Fuel Pressure Hi/Lo	VSV 3
R4	B4	Trig 1	NE (Crank Pos.)	NE (Crank Pos.)
R5	B5	nc		
R6	B6	Trig 2	G1 (Cam Sync)	G1 (Cam Sync)
R7	B7	Ground	Ground	Ground
R8	B8	INJ 2	Injection	Injection
R9	B9	INJ 1	Injection	Injection
R10	B10	Ground	Ground	Ground
R11	B11	AN Volt 1	NB Oxy.	NB Oxy.
R12	B12	INJ 6 (Aux.)	O2 Heater	O2 Heater
R13	B13	nc		
R14	B14	AN Volt 2	TPS	TPS
R15	B15	DI 7	Test (Fix Timing)	Test (Fix Timing)
R16	B16	nc		
R17	B17	INJ 4	Injection	(Unused/Auxiliary)
R18	B18	INJ 3	Injection	(Unused/Auxiliary)
Q1	A1	DI 10	Aux Idle Up	Aux Idle Up
Q2	A2	nc (BATT 12V)		
Q3	A3	+5V	+5V Ref.	+5V Ref.
Q4	A4	AN Volt 4	MAF (Aux. Input)	MAF (Aux. Input)
Q5	A5	AN Temp 2	IAT	IAT
Q6	A6	DI 1	Brake Pedal Input	ELS2 (Aux)
Q7	A7	DI 3	Speed Signal	Speed Signal
Q8	A8	Aux 4	(Auxliary Output)	SC Lamp
Q9	A9	IGN 2	(Auxliary)	(Auxiliary)
Q10	A10	IGN 1	(Auxliary)	(Auxiliary)
Q11	A11	Aux 3	Boost Control	VSV 2
Q12	A12	Aux 7	Intercooler Pump	Fuel Press. Relay
Q13	A13	+14V	Main Power	Main Power
Q14	A14	+14V	Main Power	Main Power
Q15	A15	AN Temp 3	EGT (Aux. Input)	EGT (Aux. Input)

3SGTE Pin	4AGZE Pin	ECU Pin	3SGTE G1 Function	4AGZE Function
Q16	A16	AN Volt 3	OEM MAP	(Unused/Auxiliary)
Q17	A17	Knock 1	Knock Sensor	Knock Sensor
Q18	A18	Aux 6	Fuel Press. VSV	Fuel Press. VSV
Q19	A19	Aux 5	Check Engine Lt.	Check Engine Lt.
Q20	A20	DI 2	AC Input	AC Input
Q21	A21	IGN 4	(Auxiliary)	(Auxiliary)
Q22	A22	IGN 3	(Auxiliary)	(Auxiliary)
Q23	A23	Aux 11	EGR VSV	(unused/Auxiliary)
Q24	A24	Ground	Ground	Ground
On Board MAP		AN Volt 12	MAP	
On Board WBO2		AN Volt 11	Lambda 1/WB Input	
Expansion 1 "Outputs"	Expansion 1	Ground (Sensor)		
	Expansion 2	+12V		
	Expansion 3	IGN 5		
	Expansion 4	IGN 6		
	Expansion 5	IGN 7		
	Expansion 6	IGN 8		
	Expansion 7	Aux 12		
	Expansion 8	Aux 9		
	Expansion 9	Aux 10		
	Expansion 10	Aux 14		
Expansion 11 "Inputs"	Expansion 11	Ground (Sensor)		
	Expansion 12	+5V		
	Expansion 13	AN Volt 8		
	Expansion 14	AN Volt 5		
	Expansion 15	AN Volt 9		
	Expansion 16	AN Volt 6		
	Expansion 17	AN Volt 7		
	Expansion 18	AN Temp 4		
	Expansion 19	+5V		
	Expansion 20	Ground (Sensor)		
Expansion 3 "Can Bus"	Expansion 21	Ground (Sensor)		
	Expansion 22	DI 6		
	Expansion 23	DI 9		
	Expansion 24	CAN2 H		
	Expansion 25	CAN2 L		
	Expansion 26	Ground (Sensor)		
	Expansion 27	+12V		
	Expansion 28	CAN1 H		
	Expansion 29	CAN1 L		
	Expansion 30	CAN Ground		