	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	3SGTE Pin	4AGZE Pin	ECU Pin	4AGZE Function	3SGTE Function
S1	C1	AN Temp 4	(Aux. Temp Input)	(Aux. Temp Input)	Q16	A16	AN Volt 3	OEM MAP	(Unused/Auxiliary)
S2	C2	nc			Q17	A17	Knock 1	Knock Sensor	Knock Sensor
S3	C3	DI 8	Start Signal	Start Signal	Q18	A18	Aux 6	Fuel Press. VSV	Fuel Press. VSV
S4	C4	Aux 2	Idle Control	Idle Control	Q19	A19	Aux 5	Check Engine Lt.	Check Engine Lt.
S5	C5	Ground	Ground	Ground	Q20	A20	DI 2	AC Input	AC Input
S6	C6	Aux 8	TVIS	SC Clutch Relay	Q21	A21	IGN 4	(Auxiliary)	(Auxiliary)
S7	C7	Ground	Ground	Ground	Q22	A22	IGN 3	(Auxiliary)	(Auxiliary)
S8	C8	IGN 1	Igntion	Ignition	Q23	A23	Aux 11	EGR VSV	(unused/Auxiliary)
S9	C9	Aux 1	Idle Control	Idle Control	Q24	A24	Ground	Ground	Ground
S10	C10	Ground	Ground	Ground					
R1	B1	AN Temp 1	ECT	ECT	On Board MAP		AN Volt 10	MAP	
R2	B2	nc			On Board WBO2		AN Volt 11	Lambda 1/WB Input	
R3	B3	INJ 5 (Aux.)	Fuel Pressure Hi/Lo	VSV 3					
R4	B4	Trig 1	NE (Crank Pos.)	NE (Crank Pos.)	Expansion 1		Ground (Sensor)		
R5	B5	nc			Expansion 2		+5V Out		
R6	B6	Trig 2	G1 (Cam Sync)	G1 (Cam Sync)	Expansion 3		DI 5		
R7	B7	Ground	Ground	Ground	Expansion 4		DI 6		
R8	B8	INJ 2	Injection	Injection	Expansion 5		DI 4		
R9	B9	INJ 1	Injection	Injection	Expansion 6		AN Volt 7		
R10	B10	Ground	Ground	Ground	Expansion 7		AN Volt 5		
R11	B11	AN Volt 1	NB Oxy.	NB Oxy.	Expansion 8		AN Volt 6		
R12	B12	INJ 6 (Aux.)	O2 Heater	O2 Heater					
R13	B13	nc			Expansion 9		Ground (Sensor)		
R14	B14	AN Volt 2	TPS	TPS	Expansion 10		+5V Out		
R15	B15	DI 7	Test (Fix Timing)	Test (Fix Timing)	Expansion 11		IGN 5		
R16	B16	nc			Expansion 12		IGN 6		
R17	B17	INJ 4	Injection	(Unused/Auxiliary)	Expansion 13		IGN 7		
R18	B18	INJ 3	Injection	(Unused/Auxiliary)	Expansion 14		IGN 8		
					Expansion 15		AN Volt 8		
Q1	A1	DI 10	Aux Idle Up	Aux Idle Up	Expansion 16		AN Volt 9		
Q2	A2	nc (BATT 12V)							
Q3	A3	+5V	+5V Ref.	+5V Ref.	FLEX 1		+12V		
Q4	A4	AN Volt 4	MAF (Aux. Input)	MAF (Aux. Input)	FLEX 2		DI 9		
Q5	A5	AN Temp 2	IAT	IAT	FLEX 3		Ground (Sensor)		
Q6	A6	DI 1	Brake Pedal Input	ELS2 (Aux)					
Q7	A7	DI 3	Speed Signal	Speed Signal	CAN1 1		CAN Ground		
Q8	A8	Aux 4	(Auxliary Output)	SC Lamp	CAN1 2		CAN1 L		
Q9	A9	IGN 2	(Auxliary)	(Auxiliary)	CAN1 3		CAN1 H		
Q10	A10	IGN 1	(Auxliary)	(Auxiliary)	CAN1 4		+12V		
Q11	A11	Aux 3	Boost Control	VSV 2					
Q12	A12	Aux 7	Intercooler Pump	Fuel Press. Relay	CAN2 1		CAN Ground		
Q13	A13	+14V	Main Power	Main Power	CAN2 2		CAN2 L		
Q14	A14	+14V	Main Power	Main Power	CAN2 3		CAN2 H		
Q15	A15	AN Temp 3	EGT (Aux. Input)	EGT (Aux. Input)	CAN2 1		CAN Ground		