

## 9A9 ECU Connection List

Software Version 9A9ad400 on  
Changes for this issue in Yellow

BOM Code 1.010 and later

BOM code can be checked in EasiMap  
or by checking pin A32, A51 or A70

9A9 Pin #	9A9 Pin Titles	Electrical Detail	Notes
A001	Ground	GND	
A002	Ground	GND	
A003	ECU Permanent 12V Supply	12V MEM	
A004	12V Switch	12V Key	
A005	12V Switch	12V Key	
A006	Air Charge Pump Relay	1A LSD	
A007	Oil Temp	1k Pull Up	
A008	Injector Drive D (4th to fire)	1A LSD	
A009	Anti Lag Signal	100k Pull Up	
A010	Baro Signal	100k Pull Down	
A011	5Va2	5Va2	
A012	Injector Drive H (8th to fire)	1A LSD	
A013	Narrow Band Oxygen Sensor 1	2M2 Pull Down	Use any 0Va for N/Band Oxygen sensor Return
A014	Rad Fan Relay 2	1A LSD	
A015	Lambda1 R		
A016	Cam Return	0V	
A017	EGT Signal	100k Pull Up	
A018	Air Temp Signal	1k Pull Up	
A019	Engine Oil Pressure Signal	100k Pull Up	
A020	Shift Up Solenoid	1A LSD	
A021	Ignition Drive E (5th to fire)		
A022	Ignition Drive F (6th to fire)		
A023	Ignition Drive G (7th to fire)		
A024	Ignition Drive H (8th to fire)		
A025	Shift Light	1A LSD	
A026	Launch Signal	100k Pull Up	
A027	Injector Drive C (3rd to fire)	1A LSD	
A028		1k Pull Up	
A029	Lambda1 N		
A030	5Va2	5Va2	
A031	Injector Drive G (7th to fire)	1A LSD	
A032	0va (YG)	0Va	Before BOM 1.010 this is 100k Pull Down Analogue
A033		1A LSD	
A034	Fuel Pressure Signal	100k Pull Up	
A035	Cam Supply	5Va2	
A036	MAP 2 Signal	100k Pull Down	
A037	Powershift Signal	100k Pull Up (Digital Only)	
A038	TPS2 Signal	100k Pull Up	
A039		1A LSD	
A040	Egas2 Motor Drive -	H Bridge	
A041	Egas2 Motor Drive +	H Bridge	

A042	Lambda Sensor 2 Heater	5A LS PWM	
A043	Lambda Sensor 1 Heater	5A LS PWM	
A044	Shift Light 2	1A LSD	
A045	Pedal A Signal	100k Pull Up	
A046	Injector Drive B (2nd to fire)	1A LSD	
A047	TPS1 Signal	100k Pull Up	
A048	Lambda1 VG		
A049	Lambda1 P		
A050	Injector Drive F (6th to fire)	1A LSD	
A051	0Va (ZG)	0Va	Before BOM 1.010 this is 100k Pull Down Analogue
A052	Rad Fan Relay 1	1A LSD	
A053	Gearbox Signal	100k Pull Up	
A054	Cam 2 Signal	4k7 Pull Up	
A055	Pedal B Signal	100k Pull Down	
A056	Engine Stop Signal	100k Pull Down	
A057	TPS4 Signal	100k Pull Up	
A058	Down Shift Solenoid	1A LSD	
A059	Egas1 Motor Drive -	H Bridge	
A060	Egas1 Motor Drive +	H Bridge	
A061	Variable Cam 2 Drive	2A LSD PWM	
A062	Variable Cam 1 Drive	2A LSD PWM	
A063	Neutral Light	1A LSD	
A064		1k Pull Up	
A065	Injector Drive A (1st to fire)	1A LSD	
A066	MAP Signal	100k Pull Down	
A067	Water Temp Signal	1k/18k Pull Up	
A068		18k Pull Up	
A069	Injector Drive E (5th to fire)	1A LSD	
A070	0Va (XG)	0Va	Before BOM 1.010 this is 100k Pull Down Analogue
A071	Throttle Blip Solenoid	1A LSD	
A072	Narrow Band Oxygen Sensor 2	2M2 Pull Down	Use any 0Va for N/Band Oxygen sensor Return
A073	Cam1 Signal	4k7 Pull Up	
A074	TPS3 Signal	100K Pull up	
A075		100k Pull Down	
A076	Nitrous Input Pin	100k Pull Up	
A077		1A LSD	
A078		0.5A LSD PWM	
A079	Wastegate Drive	2A LSD PWM	
A080	PWM Water Pump	2A LSD PWM	
A081	Tachometer Drive	0.5A LSD PWM 1k Pull Up	
B082		1A LSD	
B083	Lambda2 P		
B084	Lambda2 R		
B085	Knock1 Signal		
B086	Wheelspeed 1	4k7 Pull Up	
B087	Wheelspeed 2	4k7 Pull Up	

B088	CAN 2 H		
B089	CAN H		
B090	Fuel Pump Relay	1A LSD	
B091	Lambda2 N		
B092	Lambda2 VG		
B093	Knock1 Return		
B094	Wheelspeed 3	4k7 Pull Up	
B095	Wheelspeed 4	4k7 Pull Up	
B096	CAN 2 L		
B097	CAN L		
B098	Engine Stop Output	1A LSD	
B099	5Va1	5Va1	
B100	Crank Signal		Suggested Raychem Type 44 Screened Cable
B101	Knock 2 Signal		
B102	WS1 Ret 0V	0V	Before BOM 1.010 this is 0Va
B103	WS2 Ret 0V	0V	Before BOM 1.010 this is 0Va
B104	WS3 Ret 0V	0V	Before BOM 1.010 this is 0Va
B105	WS4 Ret 0V	0V	Before BOM 1.010 this is 0Va
B106	PWR Hold Relay	1A LSD	
B107	5Va1	5Va1	
B108	Crank Return	0V	Suggested Raychem Type 44 Screened Cable
B109	Knock 2 Return		
B110	Ignition Drive A (1st to fire)		
B111	Ignition Drive B (2nd to fire)		
B112	Ignition Drive C (3rd to fire)		
B113	Ignition Drive D (4th to fire)		
B114	HSD Battery +	12V Perm (HSD Power)	
B115	HSD Battery +	12V Perm (HSD Power)	
B116	Starter Solenoid	10A HSD PWM	
B117	Ignition Output	10A HSD PWM	
B118	Rad Fan 1 HSD	10A HSD PWM	
B119	Fuel Pump	10A HSD PWM	
B120	Engine Stop Output	10A HSD PWM	
B121	PWM Water Pump	10A HSD PWM	

