

MBE 9A9

BMW V8 1-5-4-8-7-2-6-3

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	1A LSD	Zyl 8
A009		PitLimiter	100k Pull Up	
A010		Baro Signal	100k Pull Down	
A011		5Va2	5Va2	
A012		Injector Drive H	1A LSD	Zyl 3
A013		Narrow Band Oxygen Sensor 1	2M2 Pull Down	
A014		Rad Fan Relay 1	1A LSD	
A015		Lambda1 R		
A016		Cam Return	0V	
A017		Downshift Request	100k Pull Up	
A018		Air Temp Signal	1k Pull Up	
A019		Engine Oil Pressure Signal	100r Pull Up	
A020		Shift Up Solenoid	1A LSD	
A021		Ignition Drive E		Zylinder 7
A022		Ignition Drive F		Zylinder 2
A023		Ignition Drive G		Zylinder 6
A024		Ignition Drive H		Zylinder 3
A025		Shift Light	1A LSD	
A026		Launch Signal	100k Pull Up	
A027		Injector Drive C	1A LSD	Zyl 4
A028			1k Pull Up	
A029		Lambda1 N		
A030		5Va2	5Va2	
A031		Injector Drive G	1A LSD	Zyl 6
A032		0va	0Va	
A033			1A LSD	
A034		Fuel Pressure Signal	100r 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	1A LSD	Zyl 5
A047		TPS1 Signal	100k Pull Up	

A048		Lambda1 VG		
A049		Lambda1 P		
A050		Injector Drive F	1A LSD	Zyl 2
A051		0Va	0Va	
A052		Rad Fan Relay 2	1A LSD	
A053		Gearbox Signal	100k Pull Up	
A054		Cam 2 Signal	4k7 Pull Up	EX1-4
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	EX1-4
A062		Variable Cam 1 Drive	2A LSD PWM	IN1-4
A063		Neutral Light	1A LSD	
A064		Starter Button	1k Pull Up	
A065		Injector Drive A	1A LSD	Zyl 1
A066		MAP Signal	100k Pull Down	
A067		Water Temp Signal	1k/18k Pull Up	
A068		Neutral Request	18k Pull Up	
A069		Injector Drive E	1A LSD	Zyl 7
A070		0Va	0Va	
A071		Throttle Blip Solenoid	1A LSD	
A072		Narrow Band Oxygen Sensor 2	2M2 Pull Down	
A073		Cam1 Signal	4k7 Pull Up	IN1-4
A074		TPS3 Signal	100K Pull up	
A075		AirPressure Input	100k Pull Down	
A076		Analog Input	100k Pull Up	
A077			1A LSD	
A078			0.5A LSD PWM	
A079		Variable Cam 3 Drive	2A LSD PWM	IN5-8
A080		Variable Cam 4 Drive	2A LSD PWM	EX5-8
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 (FL)	4k7 Pull Up	
B087		Wheelspeed 2 (FR)	4k7 Pull Up	
B088		Serial TXD / CAN 2 H		
B089		CAN H		
B090		Fuel Pump Relay	1A LSD	
B091		Lambda2 N		
B092		Lambda2 VG		
B093		Knock1 Return		
B094		CAM3	4k7 Pull Up	IN5-8
B095		CAM4	4k7 Pull Up	EX5-8
B096		Serial RXD / CAN 2 L		
B097		CAN L		
B098		Generic Output 2	1A LSD	
B099		5Va1	5Va1	
B100		Crank Signal		
B101		Knock 2 Signal		
B102		WheelSpeed1 Return	0V	
B103		WheelSpeed2 Return	0V	
B104		CAM3 Return	0V	
B105		CAM4 Return	0V	
B106		PWR Hold Relay	1A LSD	
B107		5Va1	5Va1	
B108		Crank Return	0V	
B109		Knock 2 Return		
B110		Ignition Drive A		Zylinder 1
B111		Ignition Drive B		Zylinder 5
B112		Ignition Drive C		Zylinder 4
B113		Ignition Drive D		Zylinder 8
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	