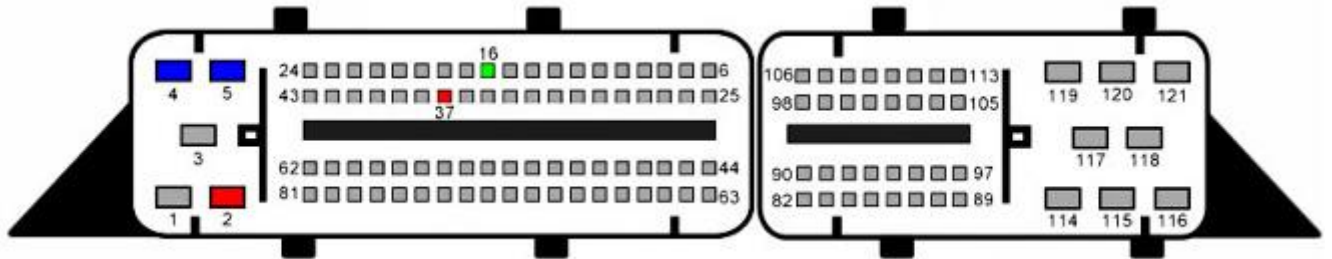


# ECU, DASHBOARD, IMMOBOX PIN-OUTS DIAGRAMS

## VAG EDC15 PINOUT

Basic connection - pinout for Bosch EDC15, EDC15V, EDC15VM, EDC15P, EDC15P+ Engine Control Units, used in VAG cars.

- 2 : +12V ( term.30 )
- 5 : GND ( term. 31 )
- 16 : +12V ( term. 15 )
- 16 : +12V ( term. 15 )
- 37 : K Line
- 82 or 7 : CAN High
- 83 or 6 : CAN Low



## BMW EWS 3 - PINOUT AND DESCRIPTION

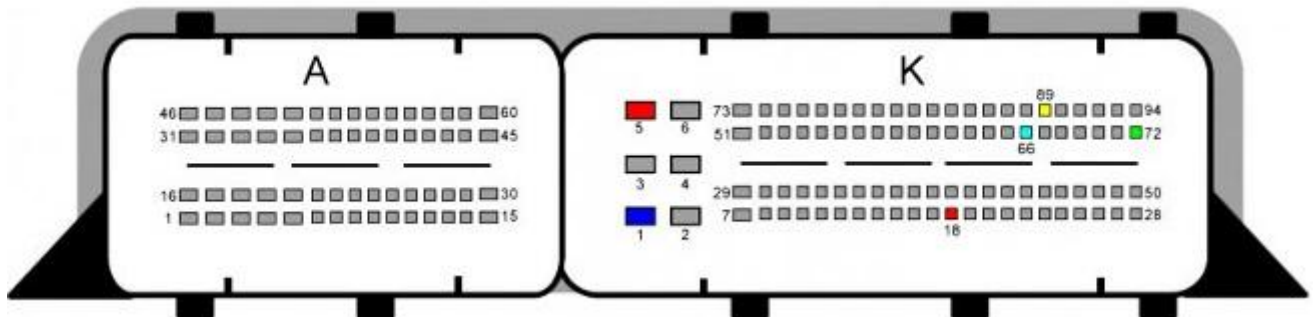
- 1 : STARTER MOTOR
- 2 : IGNITION SWITCH - CRANK
- 3 : IGNITION SWITCH - INSTRUMENT PACK
- 4 : IMMOBILISATION CODED SIGNAL
- 5 : TRANSPONDER COIL
- 6 : PARK / NEUTRAL SIGNAL ( AUTO GEARBOX )
- 7 : NOT USED
- 8 : NOT USED
- 9 : GROUND ( GND - TERMINAL 31 )
- 10 : POWER ( +12V - TERMINAL 30 )
- 11 : AUXILITARY POWER
- 12 : TRANSPONDER COIL
- 13 : K-BUS



## VAG EDC16 ECU - PINOUT

Basic connection - pinout for Bosch EDC16U1, EDC16CP34, EDC16U31 Engine Control Units, used in VAG cars.

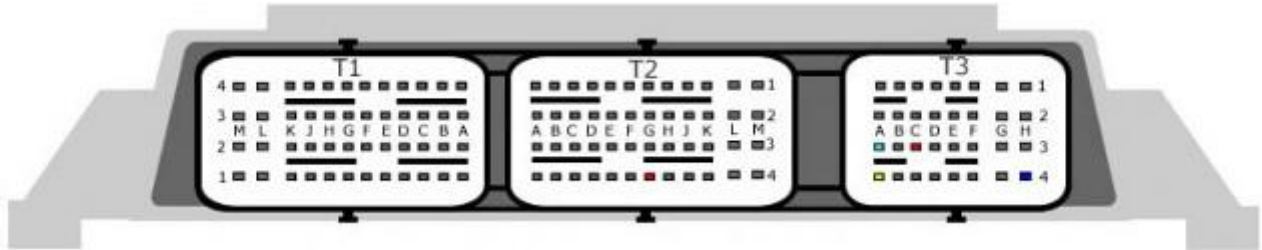
- 5 : +12V ( term.30 )
- 1 : GND ( term. 31 )
- 18 : +12V ( term. 15 )
- 72 : K Line
- 89 : CAN High
- 66 : CAN Low



## SIEMENS SID206 - PINOUT

Basic connection - pinout for SIEMENS SID 206 Engine Control Units, used in FORD and VOLVO cars.

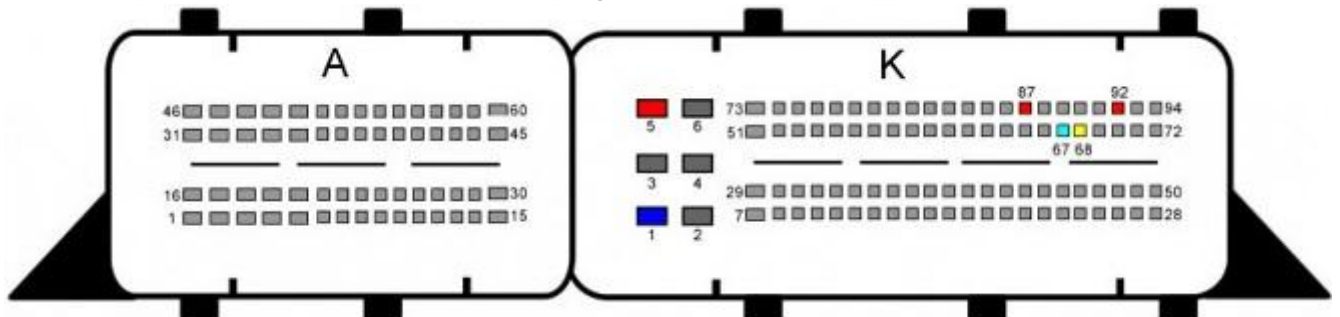
T3-C3 : +12V ( term.30 )  
 T2-G4 : GND ( term. 31 )  
 T3-H4 : +12V ( term. 15 )  
 T3-A4 : CAN High  
 T3-A3 : CAN  
 Low



## VAG EDC17 ECU - PINOUT

Basic connection - pinout for Bosch EDC17, EDC17CP14, EDC17CPxx Engine Control Units, used in VAG cars.

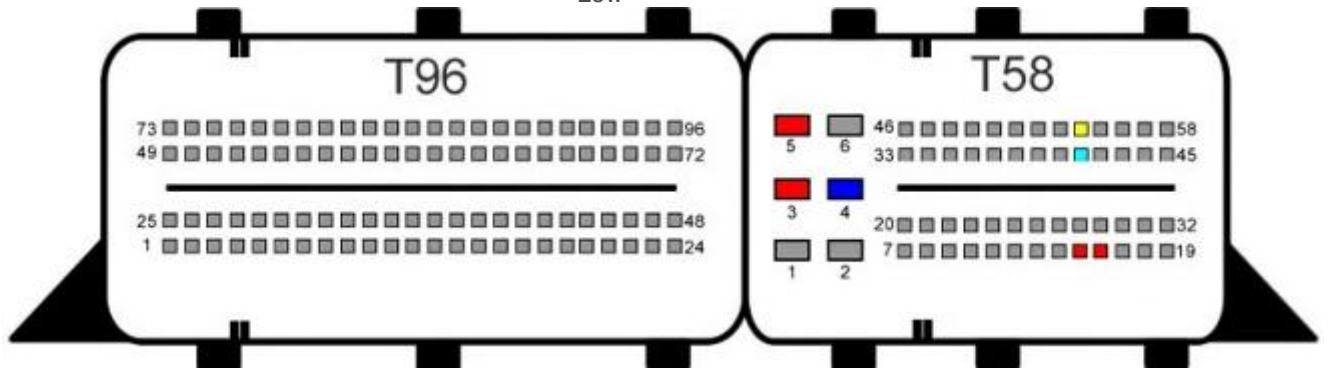
5 : +12V ( term.30 )  
 1 : GND ( term. 31 )  
 87 : +12V ( term. 15 )  
 92 : +12V ( term. 15 )  
 68 : CAN High  
 67 : CAN  
 Low



## FORD BOSCH ME9.0 ECU - PINOUT

Basic connection - pinout for Bosch ME 9.0 Engine Control Unit, used in FORD cars.

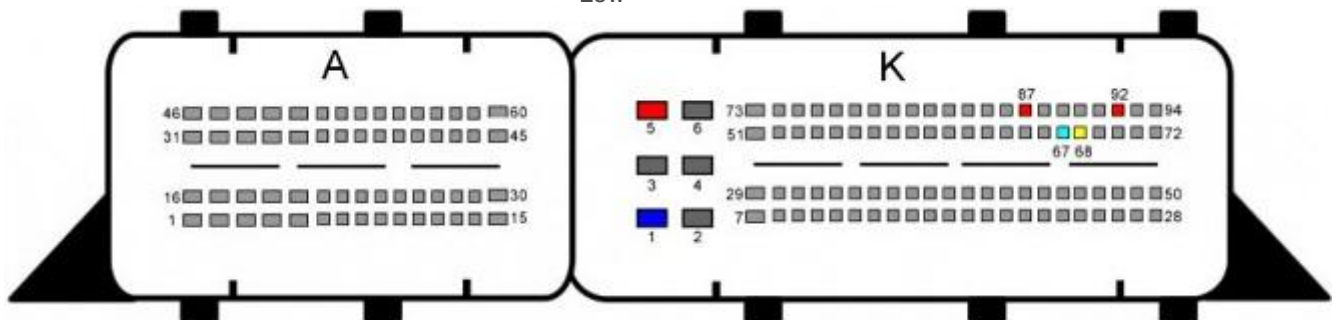
- 5 : +12V ( term.30 )
- 3 : +12V ( term.30 )
- 4 : GND ( term. 31 )
- 15 : +12V ( term. 15 )
- 16 : +12V ( term. 15 )
- 54 : CAN High
- 41 : CAN Low



## VAG MED 17 ECU - PINOUT

Basic connection - pinout for Bosch MED17 Engine Control Units, used in VAG cars.

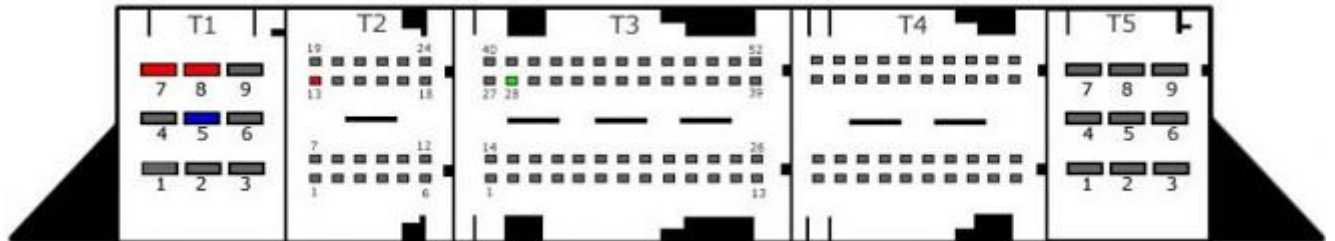
- 5 : +12V ( term.30 )
- 1 : GND ( term. 31 )
- 87 : +12V ( term. 15 )
- 92 : +12V ( term. 15 )
- 68 : CAN High
- 67 : CAN Low



## MERCEDES BENZ - EDC15 ( EDC15C6, EDC15C5 ) ECU - PINOUT

Basic connection - pinout for Bosch EDC15C6, EDC15C5 Engine Control Units, used in MERCEDES BENZ cars.

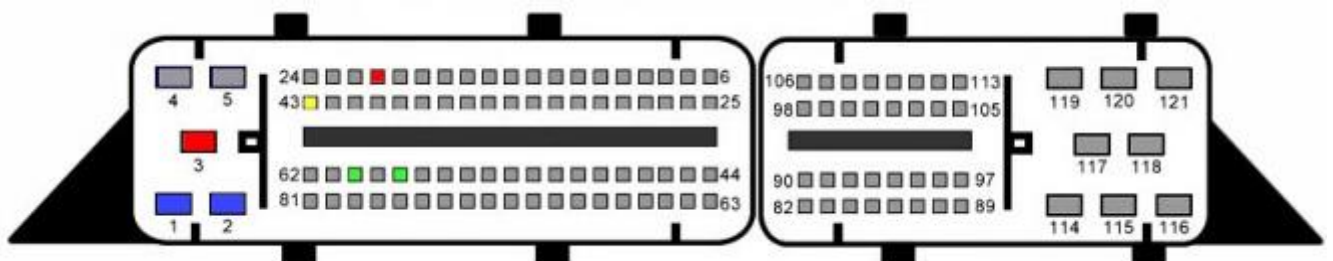
- 7 : +12V ( term.30 )
- 8 : +12V ( term.30 )
- 5 : GND ( term. 31 )
- 13 : +12V ( term. 15 )
- 28 : K  
Line



## VAG ME7.1.1 ECU - PINOUT

Basic connection - pinout for Bosch ME 7.1.1 Engine Control Units, used in VAG cars.

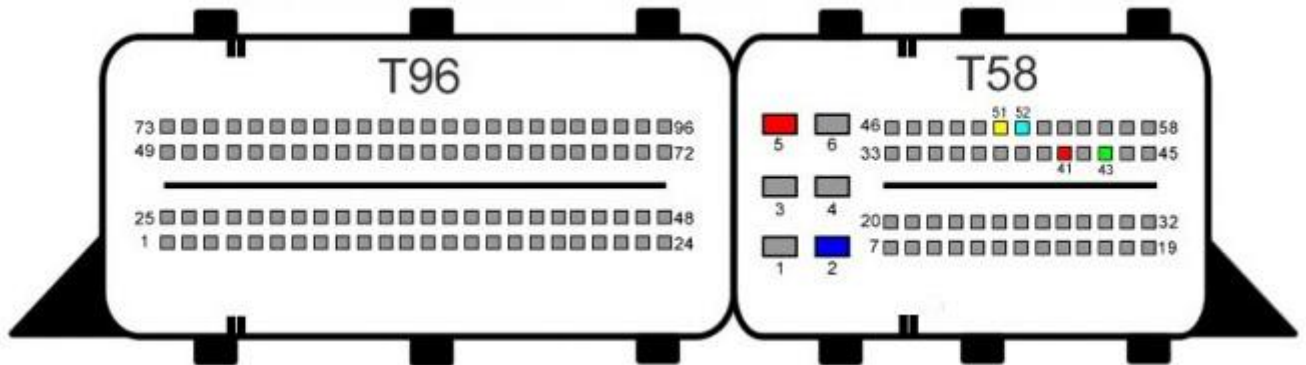
- 3 : +12V ( term.30 )
- 1 : GND ( term. 31 )
- 2 : GND ( term. 31 )
- 21 : +12V ( term. 15 )
- 43 : K Line
- 60 : CAN High
- 58 : CAN  
Low



# MERCEDES BENZ - EDC16 ( EDC16CP31, EDC16CP32 ) ECU - PINOUT

Basic connection - pinout for Bosch EDC16 CP31, EDC16 CP32 Engine Control Units, used in MERCEDES BENZ cars.

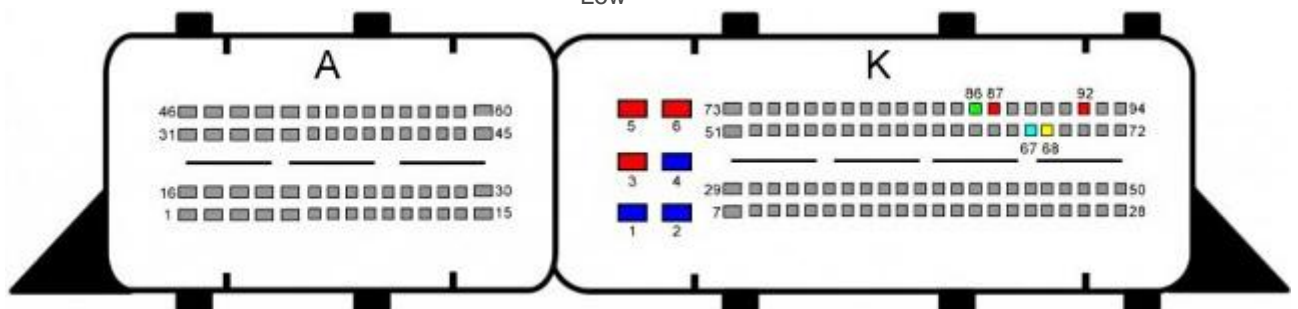
- 5 : +12V ( term.30 )
- 2 : GND ( term. 31 )
- 41 : +12V ( term. 15 )
- 43 : K Line
- 51 : CAN High
- 52 : CAN Low



# VAG MED 9.1 / MED 9.5.10 / MED 9.1.1 ECU - PINOUT

Basic connection - pinout for Bosch MED9.1, MED9.5.10, MED 9.1.1 Engine Control Units, used in VAG cars.

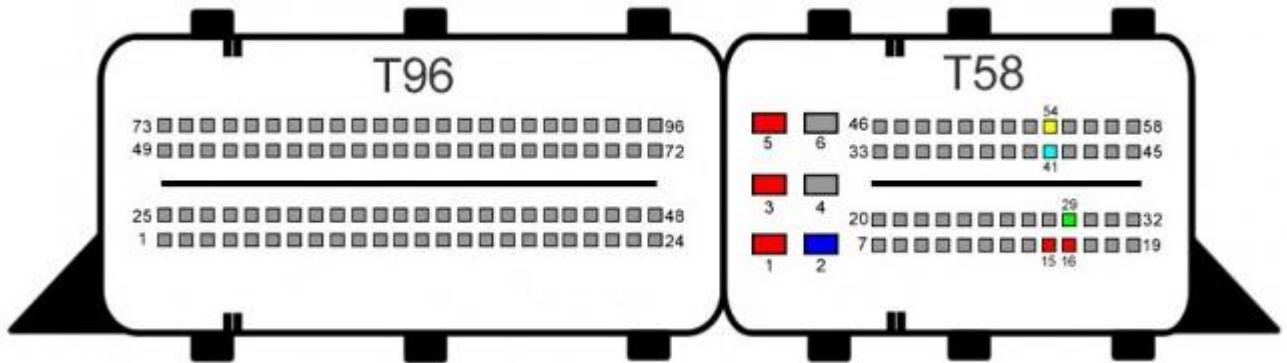
- 3, 5, 6 : +12V ( term.30 )
- 1, 2, 4 : GND ( term. 31 )
- 87, 92 : +12V ( term. 15 )
- 86 : K Line
- 68 : CAN High
- 67 : CAN Low
- Low



# MERCEDES BENZ - EDC16 ( EDC16CP36 ) ECU - PINOUT

Basic connection - pinout for Bosch EDC16 CP36 Engine Control Units, used in MERCEDES BENZ cars.

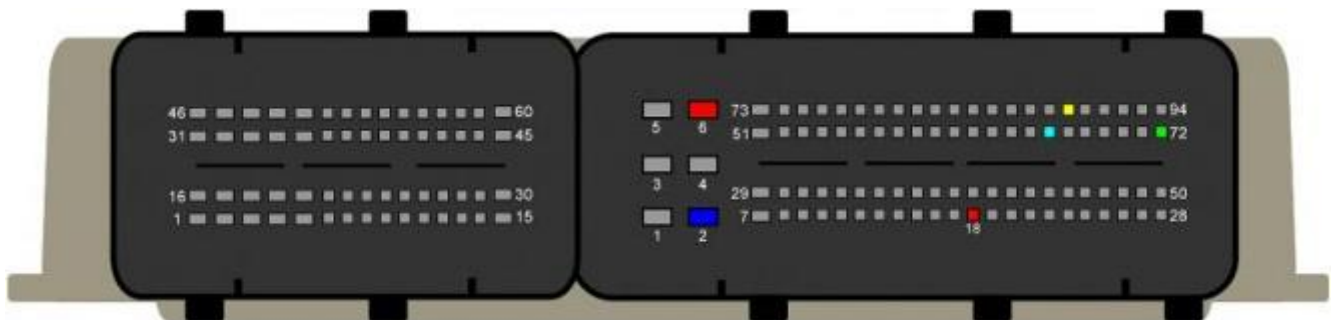
- 1, 3, 5 : +12V ( term.30 )
- 2 : GND ( term. 31 )
- 15, 16 : +12V ( term. 15 )
- 29 : K Line
- 54 : CAN High
- 41 : CAN Low



# VAG - SIEMENS PPD 1.X ECU - PINOUT

Basic connection - pinout for SIEMENS PPD 1.x Engine Control Units, used in VAG cars.

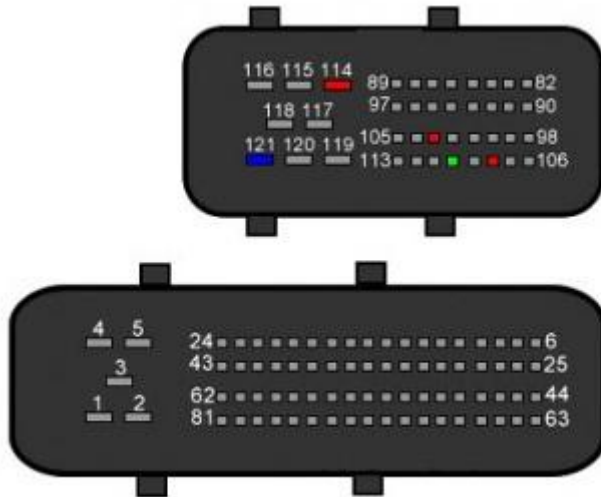
- 6 : +12V ( term.30 )
- 2 : GND ( term. 31 )
- 18 : +12V ( term. 15 )
- 72 : K Line
- 89 : CAN High
- 66 : CAN Low



## MCC SMART - MEG 1.X ECU - PINOUT

Basic connection - pinout for Bosch MEG1.x Engine Control Units, used in SMART cars.

114 : +12V ( term.30 )  
 121 : GND ( term. 31 )  
 103 : +12V ( term. 15 )  
 108 : +12V ( term. 15 )  
 110 : K  
 Line



## VAG IMMOBOX PINOUT



Immobiliser ( immo box ) VAG : VALEO - IMMO3 6X0 953 257  
 Eeprom : 24C04 SMD8  
 PIN : address \$67 and \$68 written in HEX contrariwise  
 Transponder : W3 ( VAG ID44 )

Vehicles equipped with this immobox ( 1999-2004 ) : VW Lupo, VW Polo, VW Transporter, Seat Arosa, Seat Alhambra, Seat Inca, Ford Galaxy and others. PINOUT :

1 : CAN Low  
 2 : CAN High  
 3 : +12V ( terminal 15 )  
 7 : W Line  
 8 : K Line  
 9 : GND ( terminal 31 )  
 10 : +12V ( terminal 30 )





Immobiliser ( immo box ) VAG : SIEMENS - IMMO2  
6HO 953 257 ( A, B ) / 5WK47740  
7M0 953 257 ( A, AB, Q, K ) / 5WK48080  
MCU : Texas Instruments TMS370C702 PLCC28  
Transponder : W2 ( VAG ID42 )

Vehicles equipped with this immobox ( 1998-2000 ) :  
VW Caddy, VW Golf cabrio, VW Lupo, VW Polo 3, Sharan VW Transporter, Seat Arosa, Seat Ibiza, Seat Inca, Ford Galaxy and others. PINOUT :

1 : +12V ( terminal 30 )  
2 : +12V ( terminal 15 )  
4 : GND ( terminal 31 )  
5 : GND ( terminal 31 )  
7 : W Line  
8 : K Line

---



Immobiliser ( immo box ) VAG : VALEO - IMMO3 6X0 953 257  
Eeprom : 24C04 SMD8  
PIN : address \$67 and \$68 written in HEX contrariwise  
Transponder : W3 ( VAG ID44 )

Vehicles equipped with this immobox ( 1999-2004 ) : VW Lupo, VW Polo, VW Transporter, Seat Arosa, Seat Alhambra, Seat Inca, Ford Galaxy and others. PINOUT :

1 : CAN Low  
2 : CAN High  
3 : +12V ( terminal 15 )  
7 : W Line  
8 : K Line  
9 : GND ( terminal 31 )  
10 : +12V ( terminal 30 )

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Immobiliser ( immo box ) VAG : VALEO - IMMO3 6X0 953 257

Eeprom : 24C04 SMD8

PIN : address \$67 and \$68 written in HEX contrariwise

Transponder : W3 ( VAG ID44 )

Vehicles equipped with this immobox ( 1999-2004 ) : VW Lupo, VW Polo, VW Transporter, Seat Arosa, Seat Alhambra, Seat Inca, Ford Galaxy and others. PINOUT :

1 : CAN Low

2 : CAN High

3 : +12V ( terminal 15 )

7 : W Line

8 : K Line

9 : GND ( terminal 31 )

10 : +12V ( terminal 30 )



Immobiliser ( immo box ) VAG : VALEO - IMMO3 6X0 953 257

Eeprom : 24C04 SMD8

PIN : address \$67 and \$68 written in HEX contrariwise

Transponder : W3 ( VAG ID44 )

Vehicles equipped with this immobox ( 1999-2004 ) : VW Lupo, VW Polo, VW Transporter, Seat Arosa, Seat Alhambra, Seat Inca, Ford Galaxy and others. PINOUT :

1 : CAN Low

2 : CAN High

3 : +12V ( terminal 15 )

7 : W Line

8 : K Line

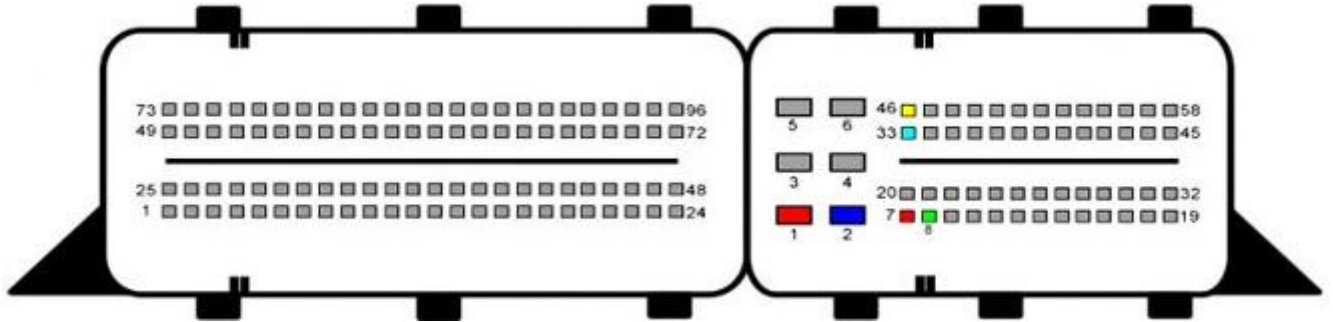
9 : GND ( terminal 31 )

10 : +12V ( terminal 30 )

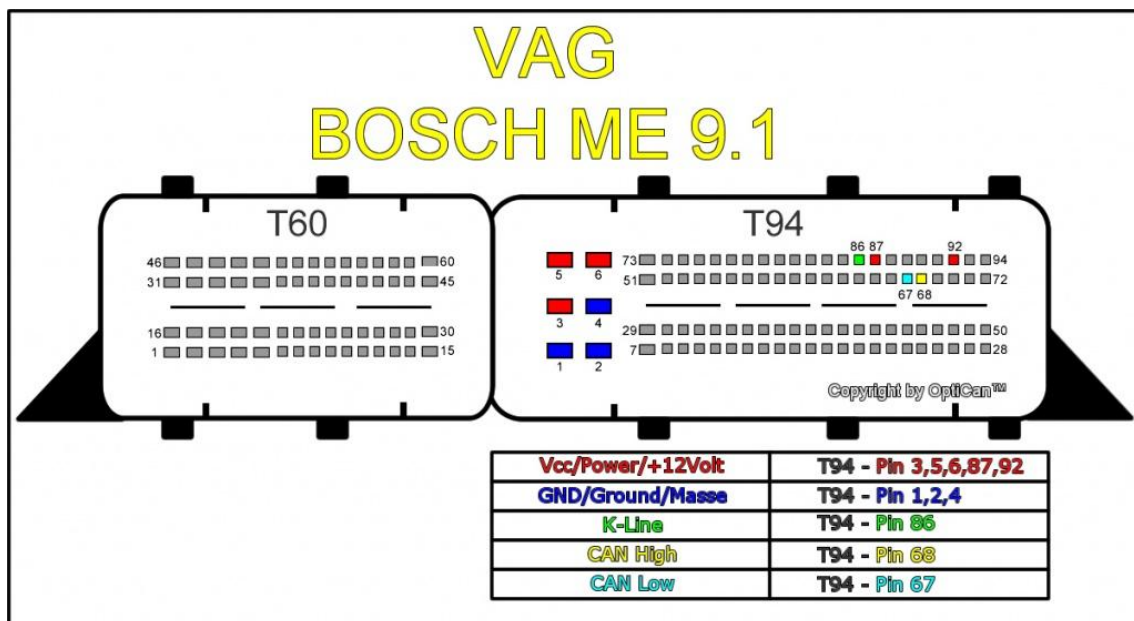
# BMW - EDC16 ( EDC16C31, EDC16C35 ) ECU - PINOUT

Basic connection - pinout for Bosch EDC16 C31, EDC16 C35 Engine Control Units, used in BMW cars.

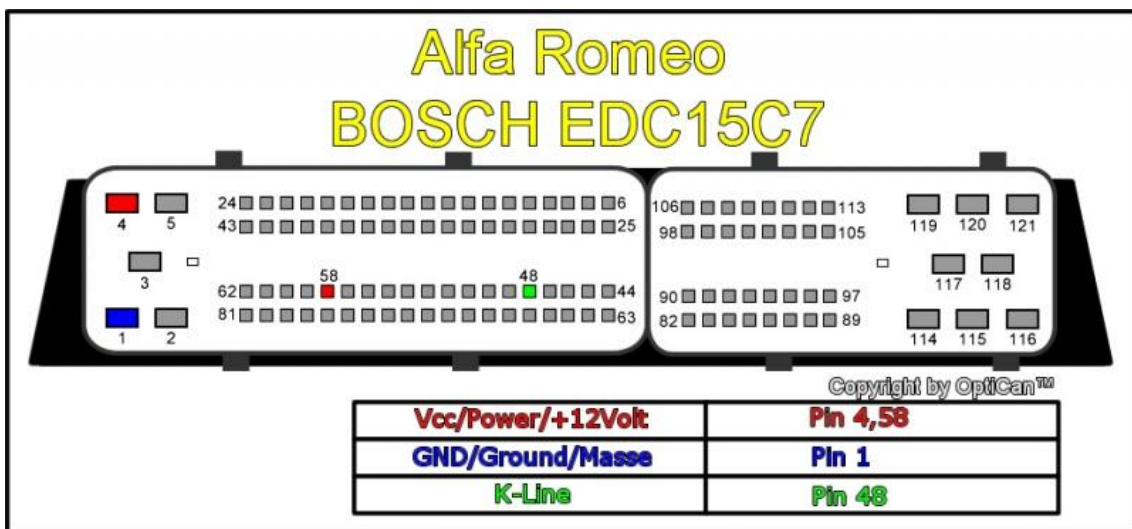
- 1 : +12V ( term.30 )
- 2 : GND ( term. 31 )
- 7 : +12V ( term. 15 )
- 8 : K Line
- 46 : CAN High
- 33 : CAN Low

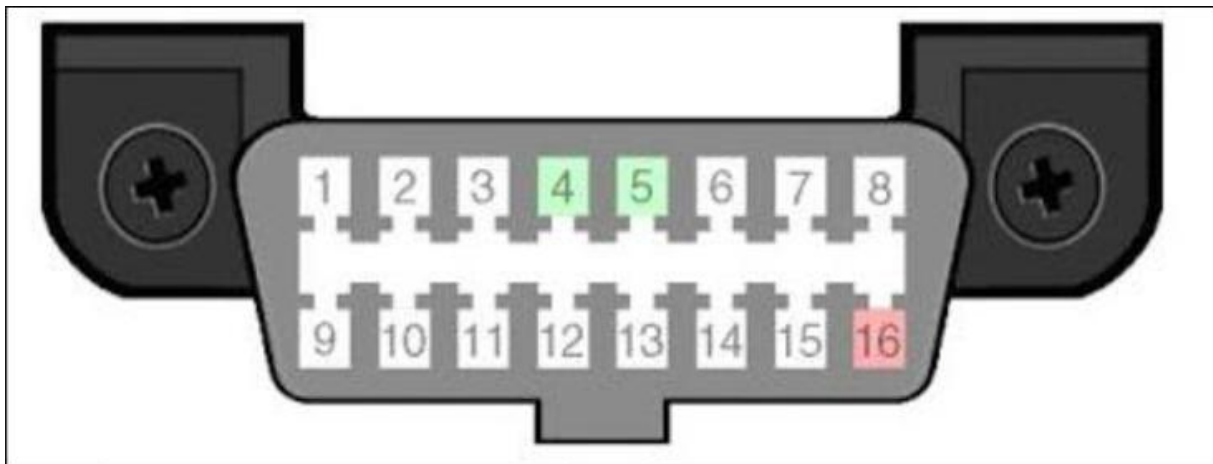


## VAG BOSCH ME 9.1



## ALFA ROMEO BOSCH EDC15C7





1	Tesla/McLaren CAN Hi	9	Tesla/McLaren CAN Low
2	SAE J1850 +	10	SAE J1850 -
3	Ford HS2 CAN Hi	11	Ford HS2 CAN Low
4	Chassis Ground	12	Nissan CAN I
5	Signal Ground	13	Nissan CAN I
6	Standard CAN Hi	14	Standard CAN Low
7	K-Line	15	L-Line
8		16	12V +