

# VOLVO MODULES WIRING DIAGRAMS

#VOLVO PHM (PHONE MODULE) AUTOLIV - 68375 + AM29F800BB

#VOLVO PHM (PHONE MODULE) AUTOLIV2 - 68375 + AM29DL162DT

#VOLVO DIM TYPE1

#VOLVO DIM 1M80F 500kbps

#VOLVO REAR VIEW MIRROR MODULE - 0L85D,3L40K,0K75F

#VOLVO AIRBAG CONTINENTAL/TEMIC 1L40K

#VOLVO AIRBAG BOSCH CR16MCS9

#VOLVO AIRBAG CONTINENTAL/TEMIC 1L15Y

#VOLVO CCM (CLIMATE CONTROL MODULE) ALPS - MAC7111

#VOLVO CCM (CLIMATE CONTROL MODULE) ALPS 2 - 68376 + AM29F200BB

#VOLVO CCM (CLIMATE CONTROL MODULE) ALPS 3 - MPC5516E

#VOLVO CCM (CLIMATE CONTROL MODULE) ALPS 4 - 1K79X

#VOLVO CCM (CLIMATE CONTROL MODULE) ALPS 5 - 68376 + 28F200

#VOLVO CEM 1K78K+0L85D

#VOLVO CEM 1L15Y+1L15Y

#VOLVO HCM VALEO 3L80R/LEAR 2L09S

#VOLVO PBM TRW 2L09S

#VOLVO DDM/PDM 70F3373/70F3626

#VOLVO DDM/PDM 70F3233+95080

#VOLVO DDM/PDM 70F3371/70F3624

#VOLVO TCM AISIN 64F7055+95320

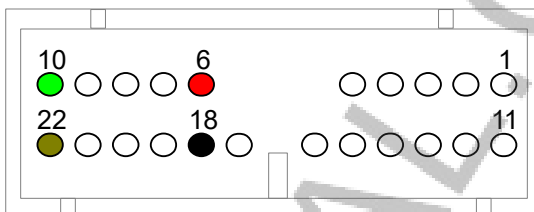
#VOLVO CEM L P2 DELPHI M30835F+9836/M30855F+9836

#FORD/JAGUAR/VOLVO P3 KVM(Keyless Vehicle Module) SIEMENS/CONTINENTAL 9S12DG256 WIRING DIAGRAMS

# VOLVO PHM (PHONE MODULE) AUTOLIV



Microcontroller - 68375  
External flash -29F800BB

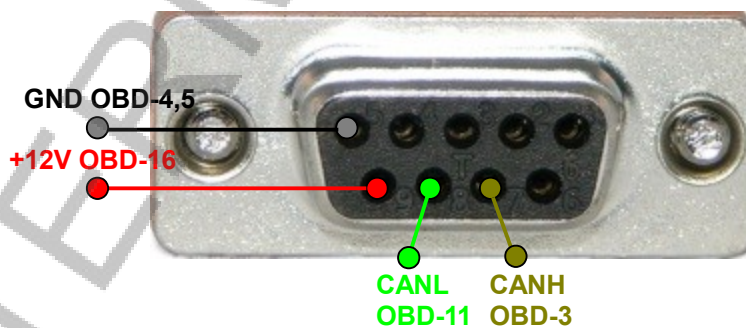


Wakeup button. Push it to turn PHM ON.

<b>+12V</b>	<b>GND</b>	<b>CANH</b>	<b>CANL</b>
<b>6</b>	<b>18</b>	<b>22</b>	<b>10</b>



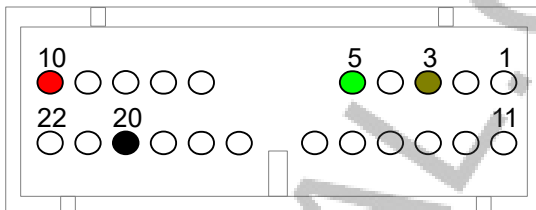
Connecting directly to ioterminal



# VOLVO REAR VIEW MIRROR MODULE

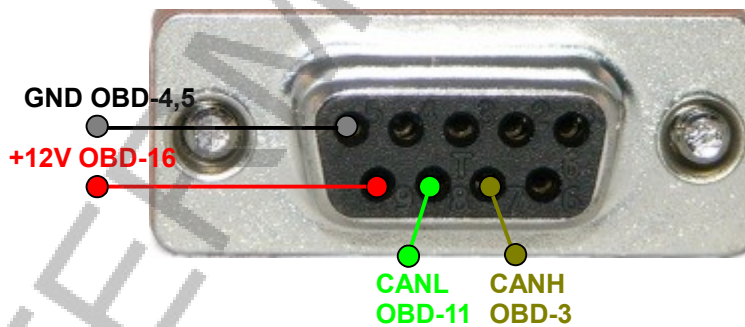


Microcontroller type1 – 0L85D  
Microcontroller type2 – 3L40K  
Microcontroller type3 – 0K75F



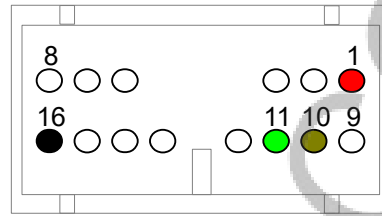
<b>+12V</b>	<b>GND</b>	<b>CANH</b>	<b>CANL</b>
<b>10</b>	<b>20</b>	<b>3</b>	<b>5</b>

Connecting directly to ioterminal



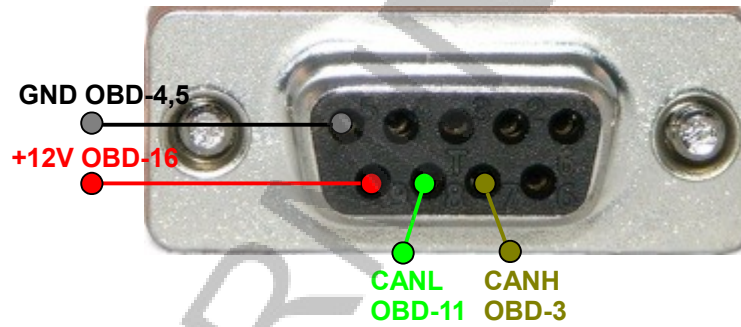
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# VOLVO DIM TYPE1



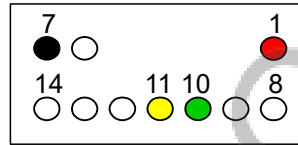
<b>+12V</b>	<b>GND</b>	<b>CANH</b>	<b>CANL</b>
<b>1</b>	<b>16</b>	<b>10</b>	<b>11</b>

Connecting directly to ioterminal



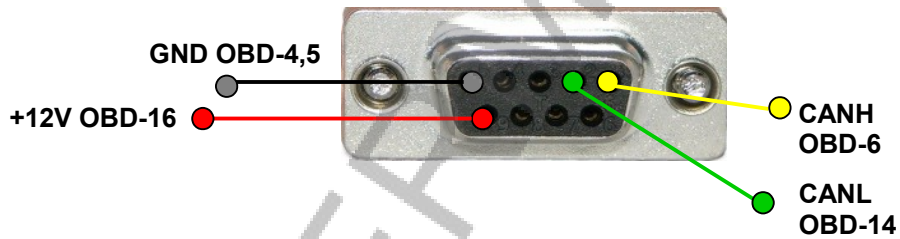
WWW.IOTER.COM

# VOLVO DIM 1M80F 500kbps

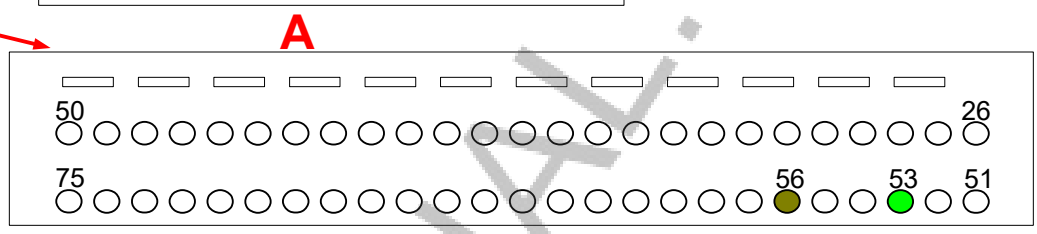
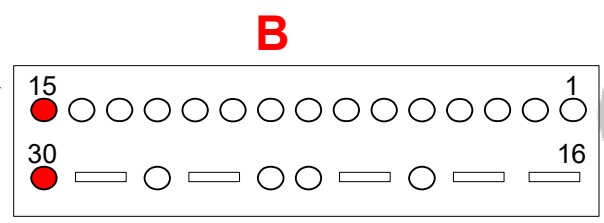
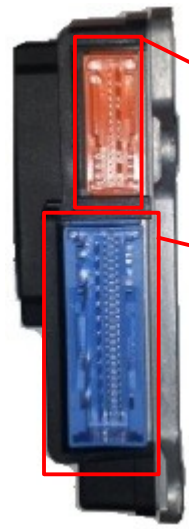


<b>+12V</b>	<b>GND</b>	<b>CANH</b>	<b>CANL</b>
<b>1</b>	<b>7</b>	<b>11</b>	<b>10</b>

Connecting directly to ioterminal

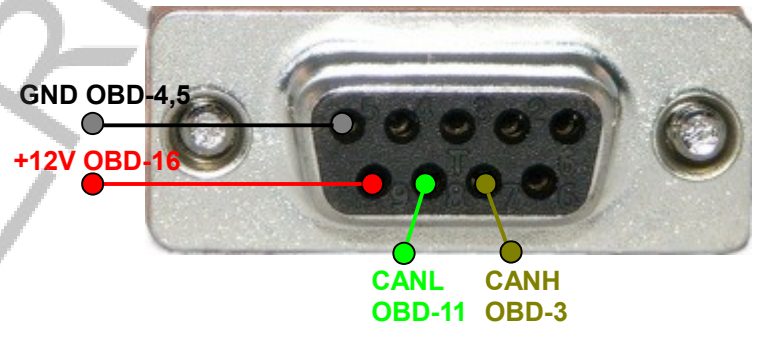


# VOLVO AIRBAG CONTINENTAL/TEMIC 1L40K



<b>+12V</b>	<b>GND</b>	<b>CANH</b>	<b>CANL</b>
<b>B15,B30</b>	<b>ECU CASE</b>	<b>A56</b>	<b>A53</b>

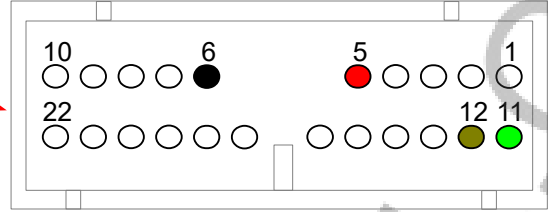
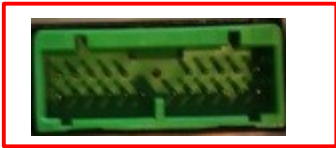
Connecting directly to ioterminal



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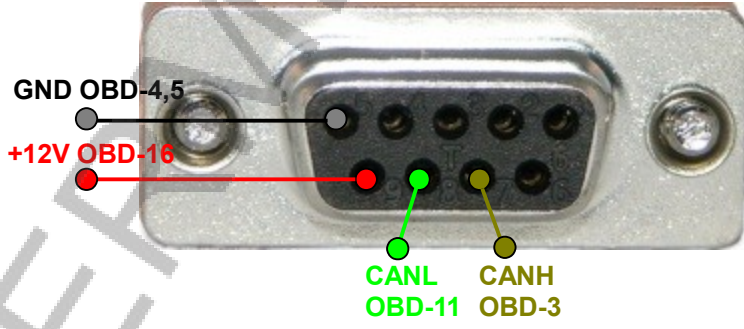
# VOLVO PHM (PHONE MODULE) AUTOLIV2

Microcontroller - 68375  
External flash -AM29DL162DT



<b>+12V</b>	<b>GND</b>	<b>CANH</b>	<b>CANL</b>
<b>5</b>	<b>6</b>	<b>12</b>	<b>11</b>

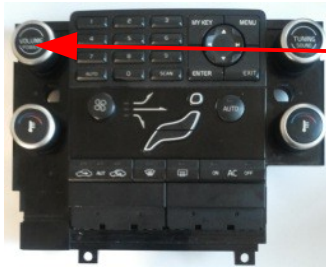
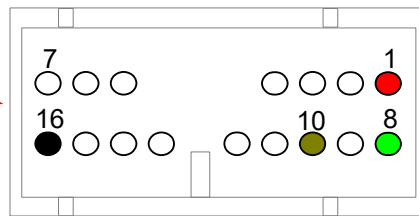
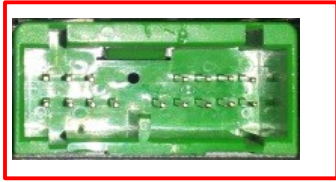
Connecting directly to ioterminal



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# VOLVO CCM (CLIMATE CONTROL MODULE) ALPS

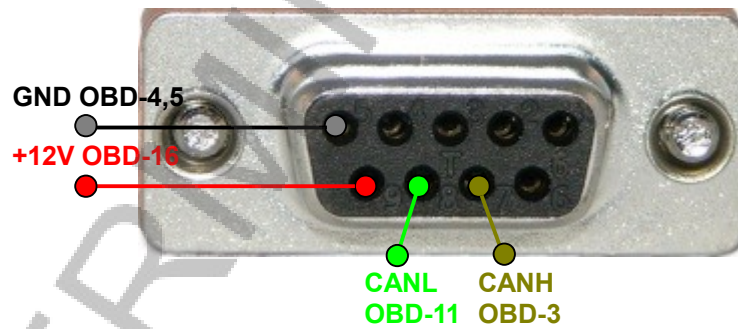
Microcontroller - MAC7111



Wakeup button. Push it to turn CCM ON.

<b>+12V</b>	<b>GND</b>	<b>CANH</b>	<b>CANL</b>
<b>1</b>	<b>16</b>	<b>10</b>	<b>8</b>

Connecting directly to ioterminal

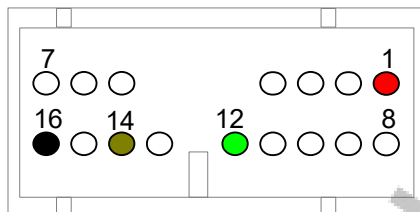


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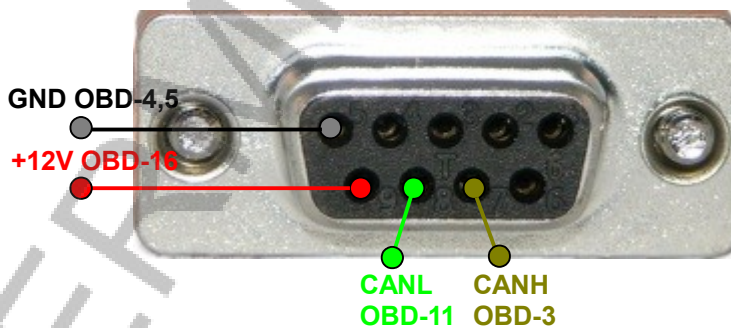
# VOLVO CCM (CLIMATE CONTROL MODULE) ALPS 2

Microcontroller – 68376  
External flash -AM29F200BB



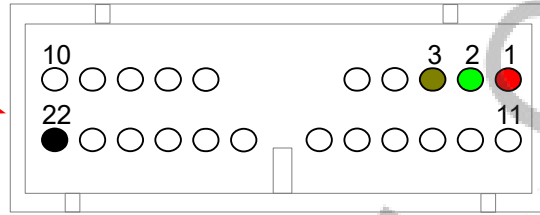
+12V	GND	CANH	CANL
1	16	14	12

Connecting directly to ioterminal



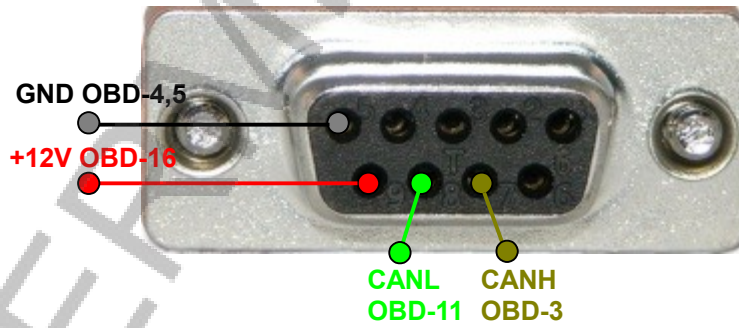
# VOLVO CCM (CLIMATE CONTROL MODULE) ALPS 3

Microcontroller - MPC5516E



+12V	GND	CANH	CANL
1	22	3	2

Connecting directly to ioterminal

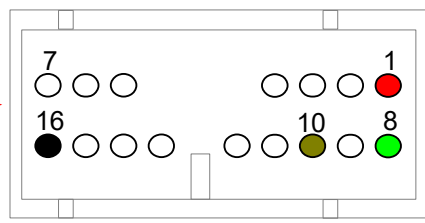


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# VOLVO CCM (CLIMATE CONTROL MODULE) ALPS 4

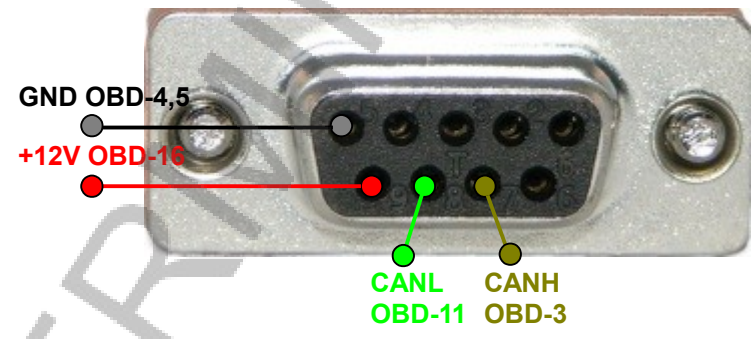


Microcontroller - 1K79X



<b>+12V</b>	<b>GND</b>	<b>CANH</b>	<b>CANL</b>
<b>1</b>	<b>16</b>	<b>10</b>	<b>8</b>

Connecting directly to ioterminal

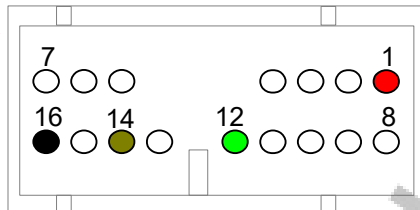


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# VOLVO CCM (CLIMATE CONTROL MODULE) ALPS 5

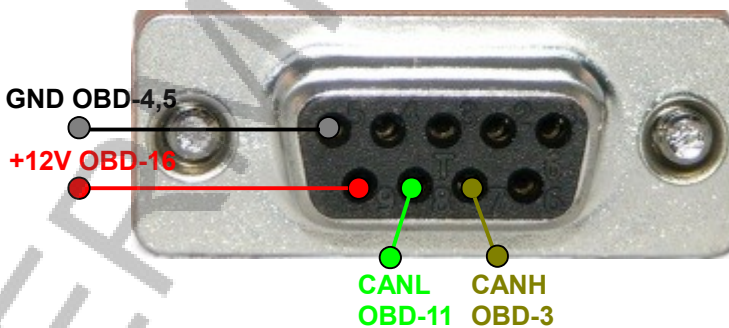


Microcontroller – 68376  
External flash - 28F200



<b>+12V</b>	<b>GND</b>	<b>CANH</b>	<b>CANL</b>
<b>1</b>	<b>16</b>	<b>14</b>	<b>12</b>

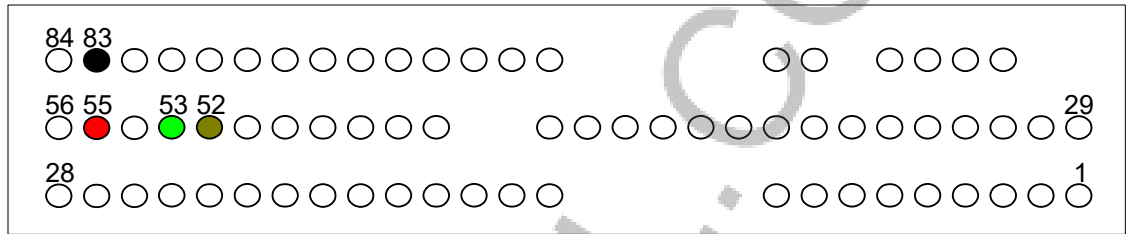
Connecting directly to ioterminal



# VOLVO AIRBAG BOSCH CR16MCS9

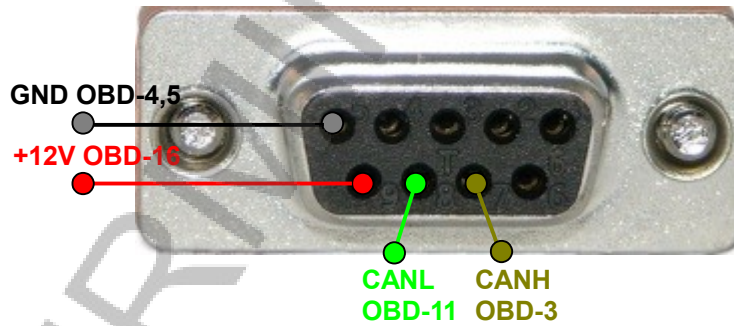


Microcontroller - CR16MCS9



<b>+12V</b>	<b>GND</b>	<b>CANH</b>	<b>CANL</b>
<b>55</b>	<b>83</b>	<b>52</b>	<b>53</b>

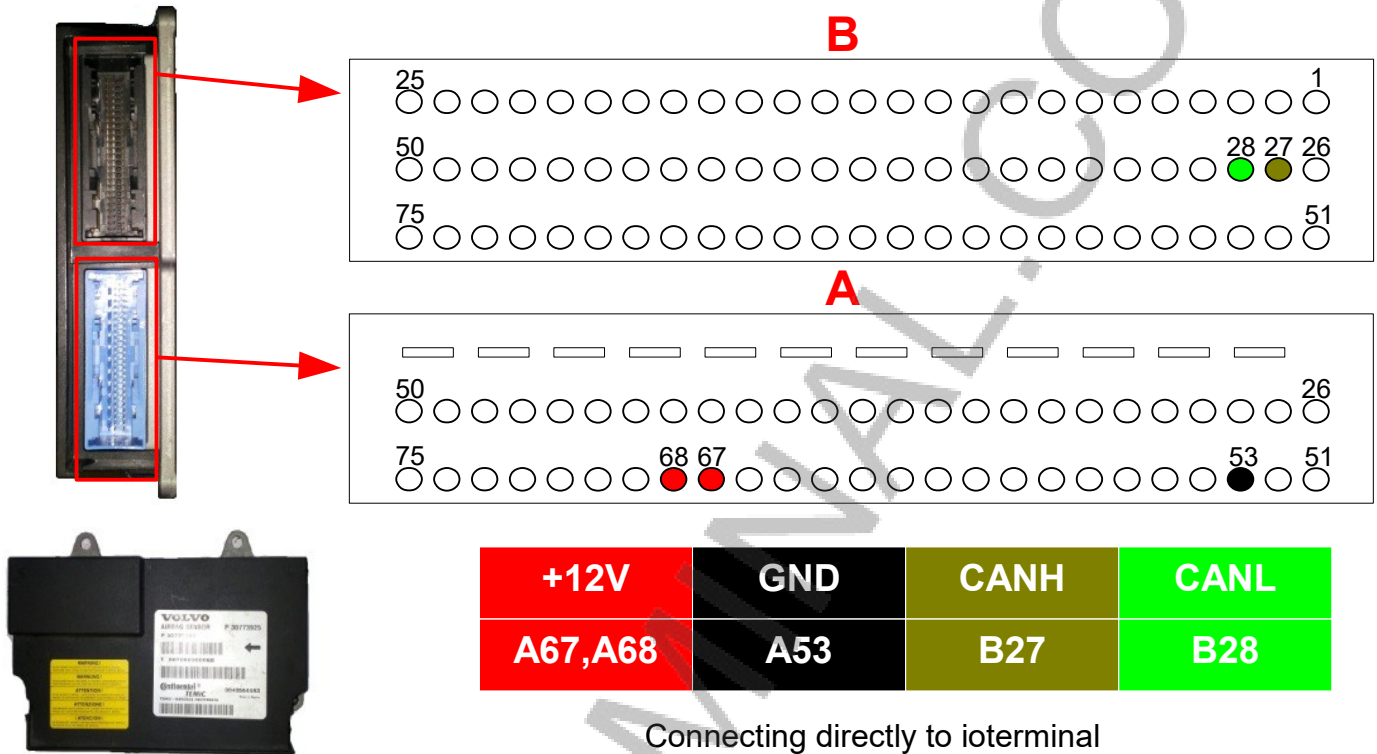
Connecting directly to ioterminal



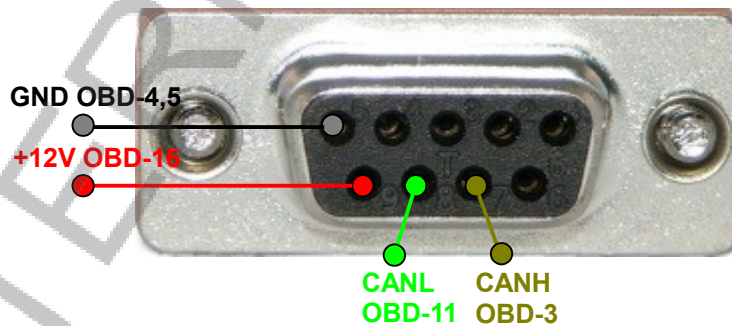
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# VOLVO AIRBAG CONTINENTAL/TEMIC 1L15Y

Microcontroller – 9S12XDT256 1L15Y

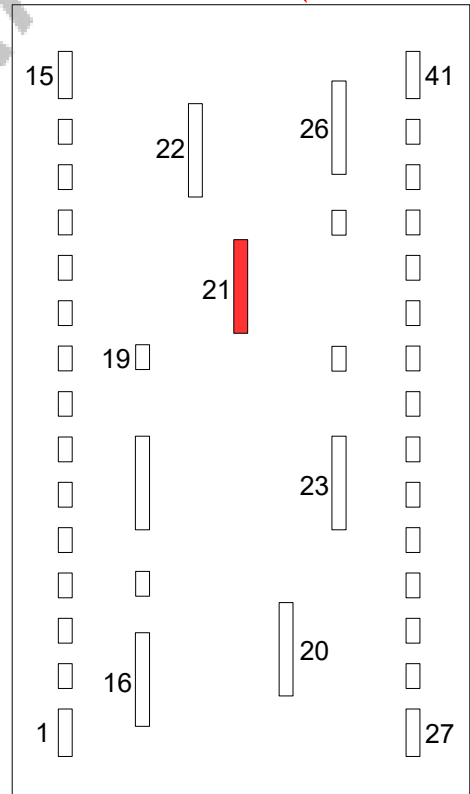
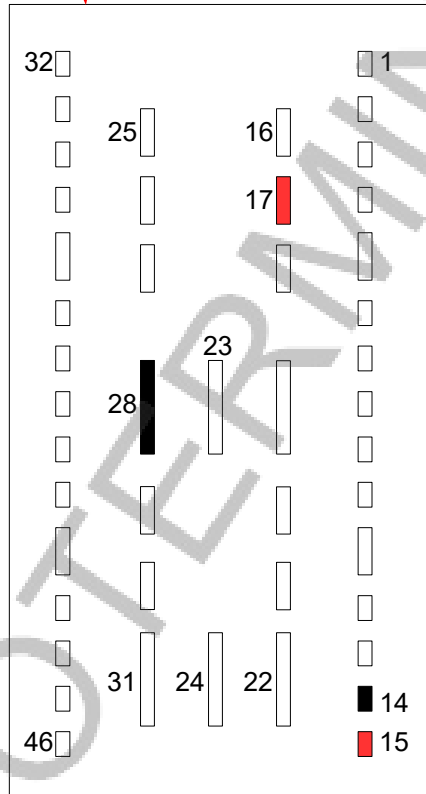
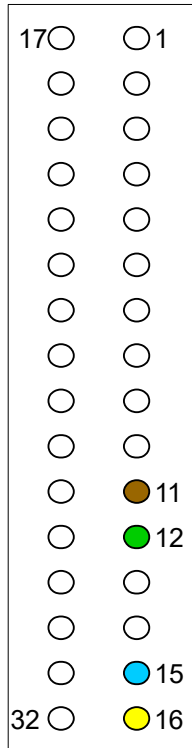
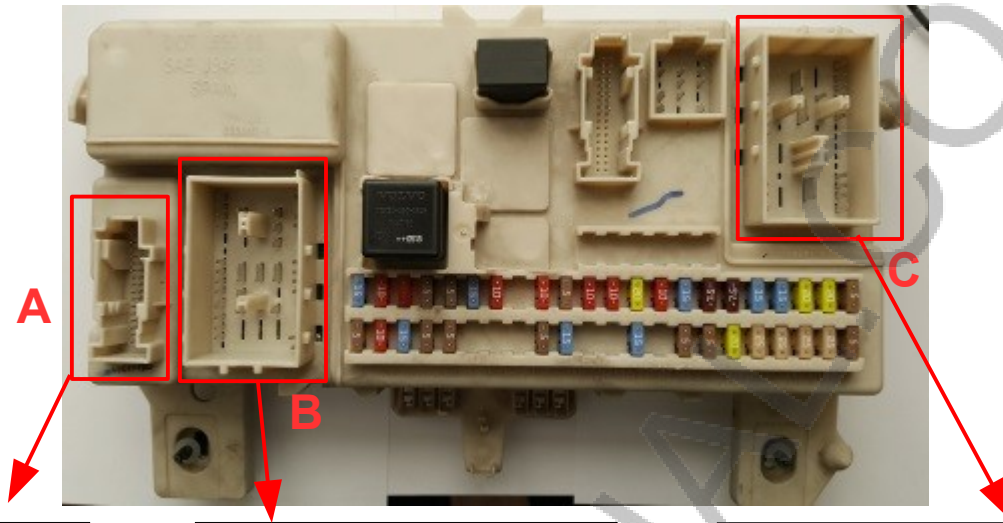


Connecting directly to ioterminal



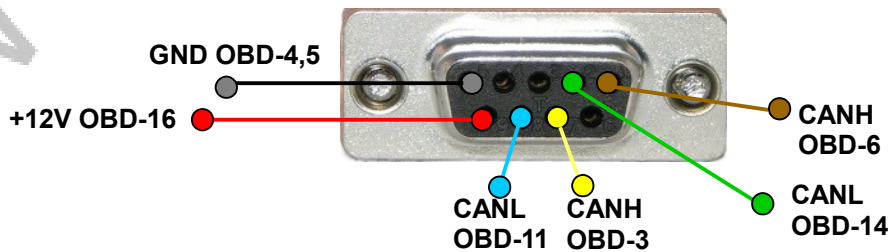
VOLVO CEM 1L15Y+1L15Y  
VOLVO CEM 1K78K+0L85D

#BACK

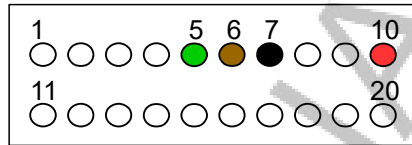


<b>+12V</b>	<b>GND</b>	<b>CANH-1K79X- OBD6</b>	<b>CANL-1K79X OBD14</b>	<b>CANH-0L85D OBD3</b>	<b>CANL-0L85D OBD11</b>
<b>B15,B17,C21</b>	<b>B14,B28</b>	<b>A11</b>	<b>A12</b>	<b>A16</b>	<b>A15</b>

Connecting directly to ioterminal

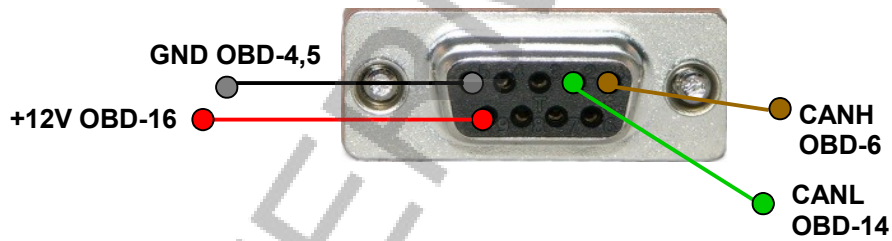


# VOLVO HCM VALEO 3L80R/LEAR 2L09S



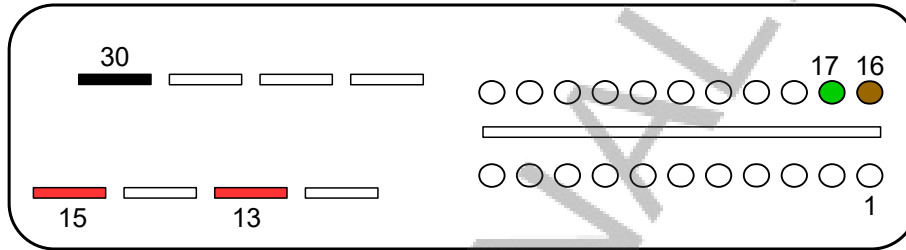
<b>+12V</b>	<b>GND</b>	<b>CANH-OBD6</b>	<b>CANL-OBD14</b>
<b>10</b>	<b>7</b>	<b>6</b>	<b>5</b>

Connecting directly to ioterminal



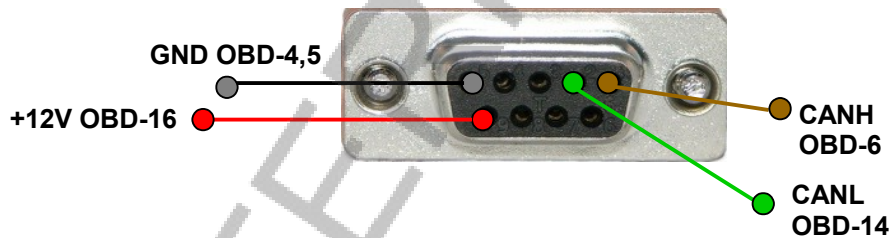


# VOLVO PBM TRW 2L09S



<b>+12V</b>	<b>GND</b>	<b>CANH-OBD6</b>	<b>CANL-OBD14</b>
<b>13,15</b>	<b>30</b>	<b>16</b>	<b>17</b>

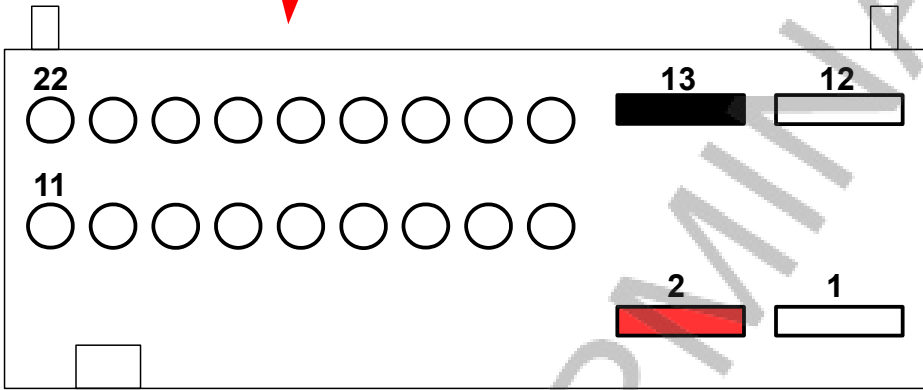
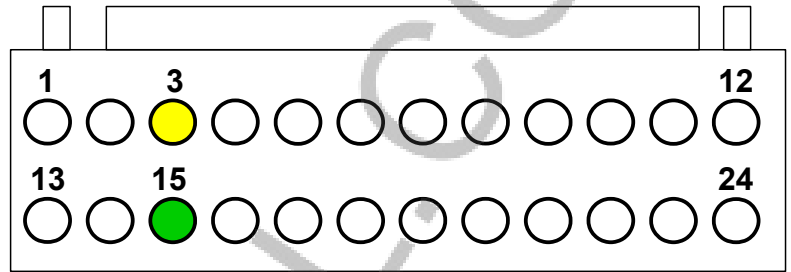
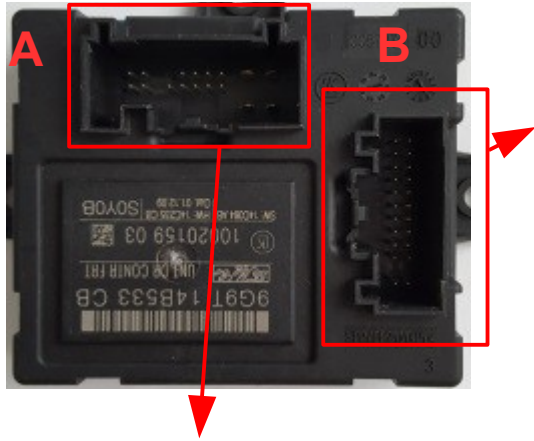
Connecting directly to ioterminal



VOLVO DDM/PDM 70F3373/70F3626

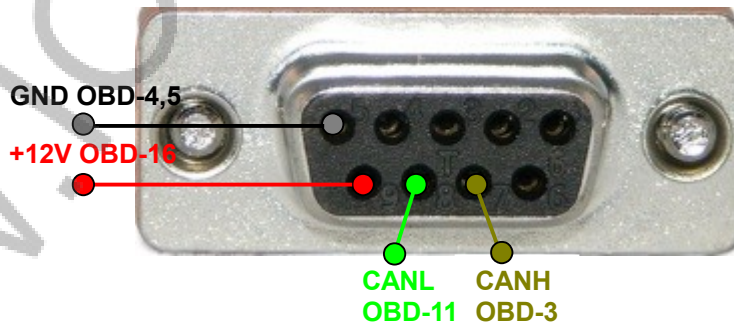
#BACK

VOLVO DDM/PDM 70F3233+95080

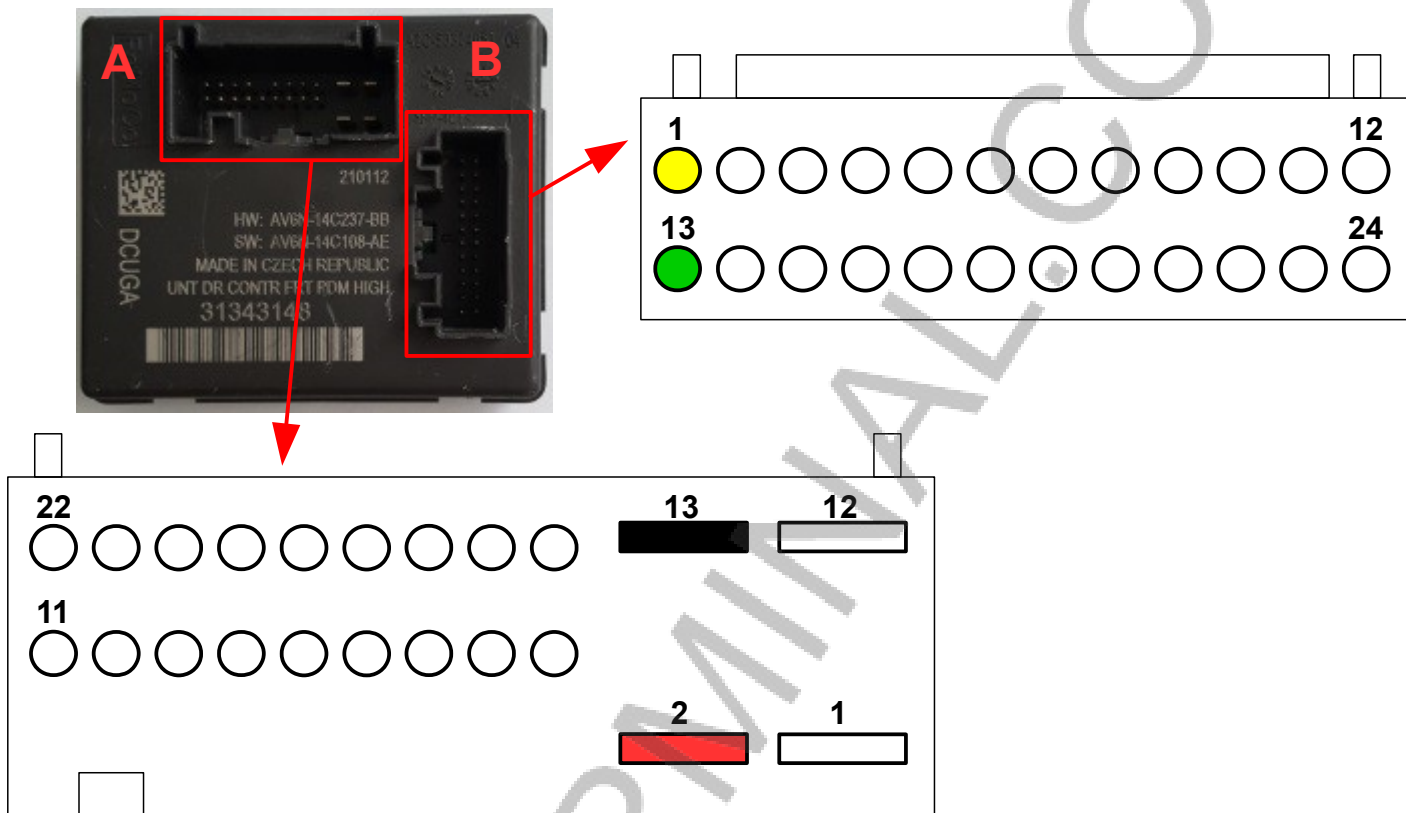


<b>+12V</b>	<b>GND</b>	<b>CANH</b>	<b>CANL</b>
<b>A-2</b>	<b>A-13</b>	<b>B-3</b>	<b>B-15</b>

Connecting directly to ioterminal

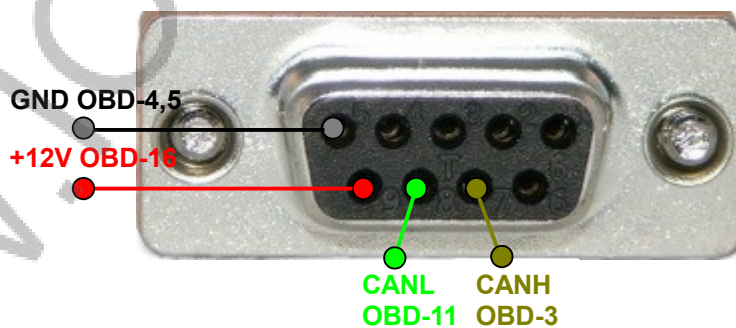


# VOLVO DDM/PDM 70F3371/70F3624

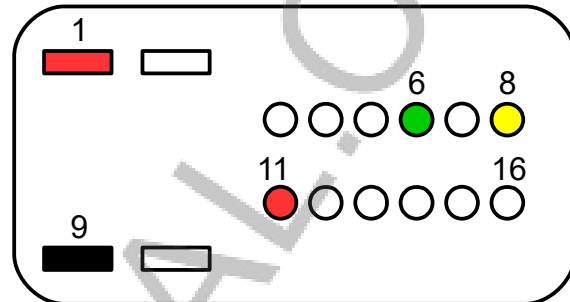


<b>+12V</b>	<b>GND</b>	<b>CANH</b>	<b>CANL</b>
<b>A-2</b>	<b>A-13</b>	<b>B-1</b>	<b>B-13</b>

Connecting directly to ioterminal

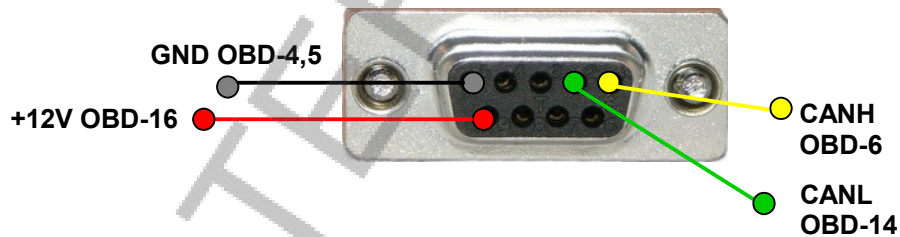


# VOLVO TCM AISIN 64F7055+95320

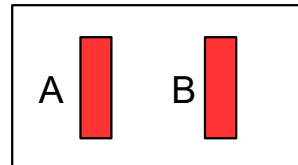
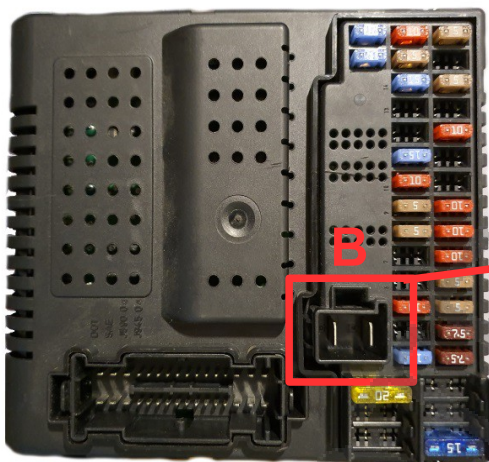
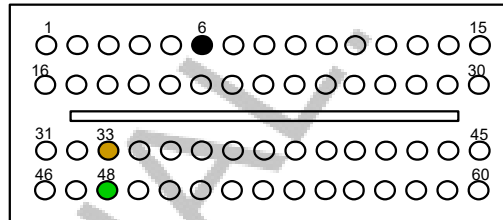
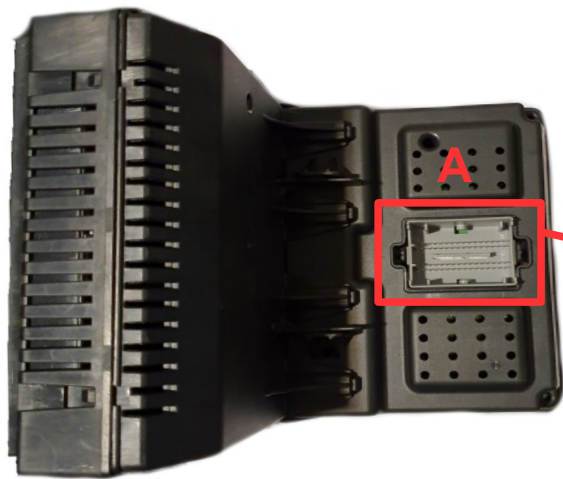


<b>+12V</b>	<b>GND</b>	<b>CANH</b>	<b>CANL</b>
<b>1,11</b>	<b>9</b>	<b>8</b>	<b>6</b>

Connecting directly to ioterminal



# VOLVO CEM L P2 DELPHI M30835F+9836/M30855F+9836



I/O TERMINAL works by CAN1 (CAN1H, CAN1L).

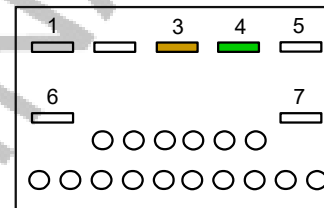
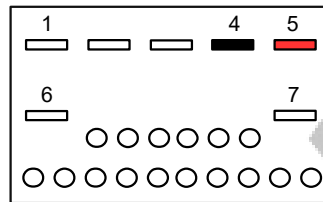
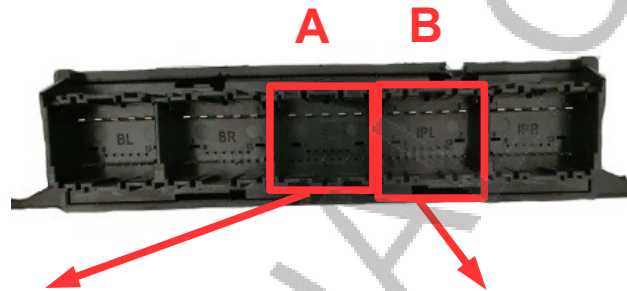
+12V	GND	CANH	CANL
B-A B-B	A-6	A-33	A-48

# FORD/JAGUAR/VOLVO P3 KVM(Keyless Vehicle Module) SIEMENS/CONTINENTAL 9S12DG256 WIRING DIAGRAMS

I/O TERMINAL with this kind of bcm work by default by CAN2 (CAN2H-CAN2L) OBD cable pins 3-11, DB9 connector pins 7-8.  
But during bench work in software it is possible to switch to CAN1 (CAN1H-CAN1L) OBD cable 6-14 , DB9 connector pins 1-2.



Microcontroller 9S12DG256 mask usually 0L01Y



<b>+12V</b>	<b>GND</b>	<b>CANH</b>	<b>CANL</b>
<b>A-5</b>	<b>A-4</b>	<b>B-3</b>	<b>B-4</b>