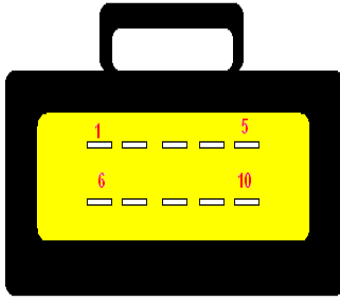


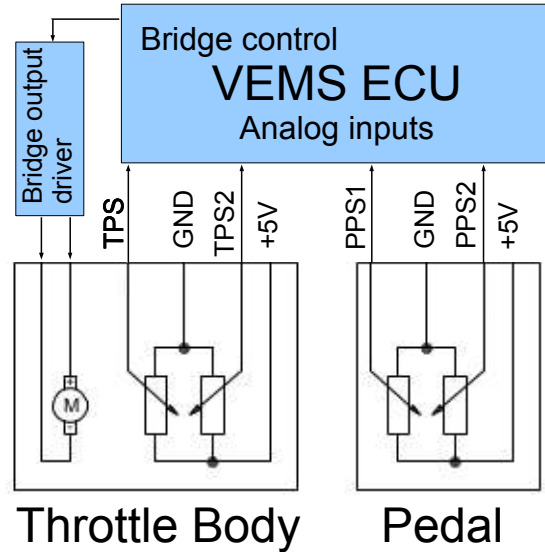
## VEMS External ETC and VANOS control box pinout (BridgeOutputDriver)

<http://shop.vems.hu/catalog/bridgeoutputdriver-p-185.html>

Looking into Econoseal 10 female connector (supply and actuator signals):



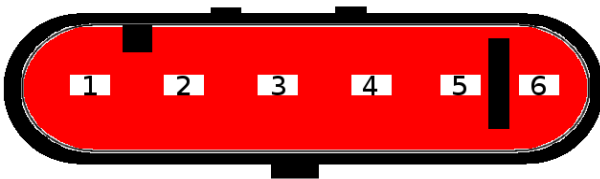
## VEMS BridgeoutputDriver



- 1: Bridge out 0 (DC motor terminal)
- 2: Bridge out 1 (DC motor other terminal)
- 3: PFET2-out (switches to +12V)
- 4: +12V
- 5: GND **Verify with DVM: connectivity to ECU GND**
- 6: PFET3-out (switches to +12V)
- 7: PFET4-out (switches to +12V)
- 8: PFET5-out (switches to +12V)
- 9: +12V
- 10: GND **Verify with DVM: connectivity to ECU GND**

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## SSC6 male pinout (from ECU)



- |    |                 |        |
|----|-----------------|--------|
| 1: | Bridge- control | Red    |
| 2: | PFET2- control  | White  |
| 3: | PFET3- control  | Blue   |
| 4: | PFET4- control  | Green  |
| 5: | PFET5- control  | Yellow |
| 6: | GND             | Brown  |

The ETC electronic throttle system also has analog inputs for feedback and the safety system, **Analog inputs (TPS, TPS2, PPS, PPS2) are connected to VEMS ECU.**

**Read the VT help carefully.** [http://vems.hu/vt/help/v3/v3\\_electronic\\_throttle\\_control.html](http://vems.hu/vt/help/v3/v3_electronic_throttle_control.html)