



GEVCU AMPSEAL 35 Pinout Top Row

1 Vin +11 to +14.5v
 2+12v For Digital I/O
 3+12v
 4+12v
 5+12v
 6+12v
 7 EXTGND
 8 GND (do not connect to external ground)
 9 CAN0 HI
 10 ... CAN0 LO
 11 ... CAN1HI
 12 ... CAN1LO

GEVCU AMPSEAL 35 Pinout Middle Row

13 EXTGND
 14 EXTGND
 15 MOSFET1 (total 2A limit for all mosfets)
 16 MOSFET2
 17 MOSFET3
 18 MOSFET4
 19 GND (do not connect to external ground)
 20 Analog0 Throttle (pot 1)
 21 Analog1 Throttle (pot 2)
 22 Analog2 Brake Transducer
 23 Analog3

GEVCU AMPSEAL 35 Pinout Bottom Row

24 +5v isolated
 25 +5v isolated
 26 +5v isolated
 27 +5v isolated
 28 +5v isolated
 29 GND (do not connect to external ground)
 30 GND
 31 GND
 32 Digital1 Drive Enable
 33 Digital2
 34 Digital3
 35 Digital4

Connection Notes

1. Connections shown above are for the current version of GEVCU code (8-21-2013)
2. Only connect the mosfet outputs or digital inputs to the +12v provided on the connector. These outputs are protected and fused.
3. Do not connect the external power or chassis ground to any GND pin on the connector. The GND is designed as a reference for the isolated +5v supply