

GCM196

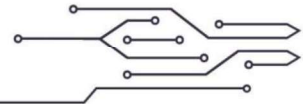
Raptor General Purpose Control Module
P/N: GCM-1793-196-1503



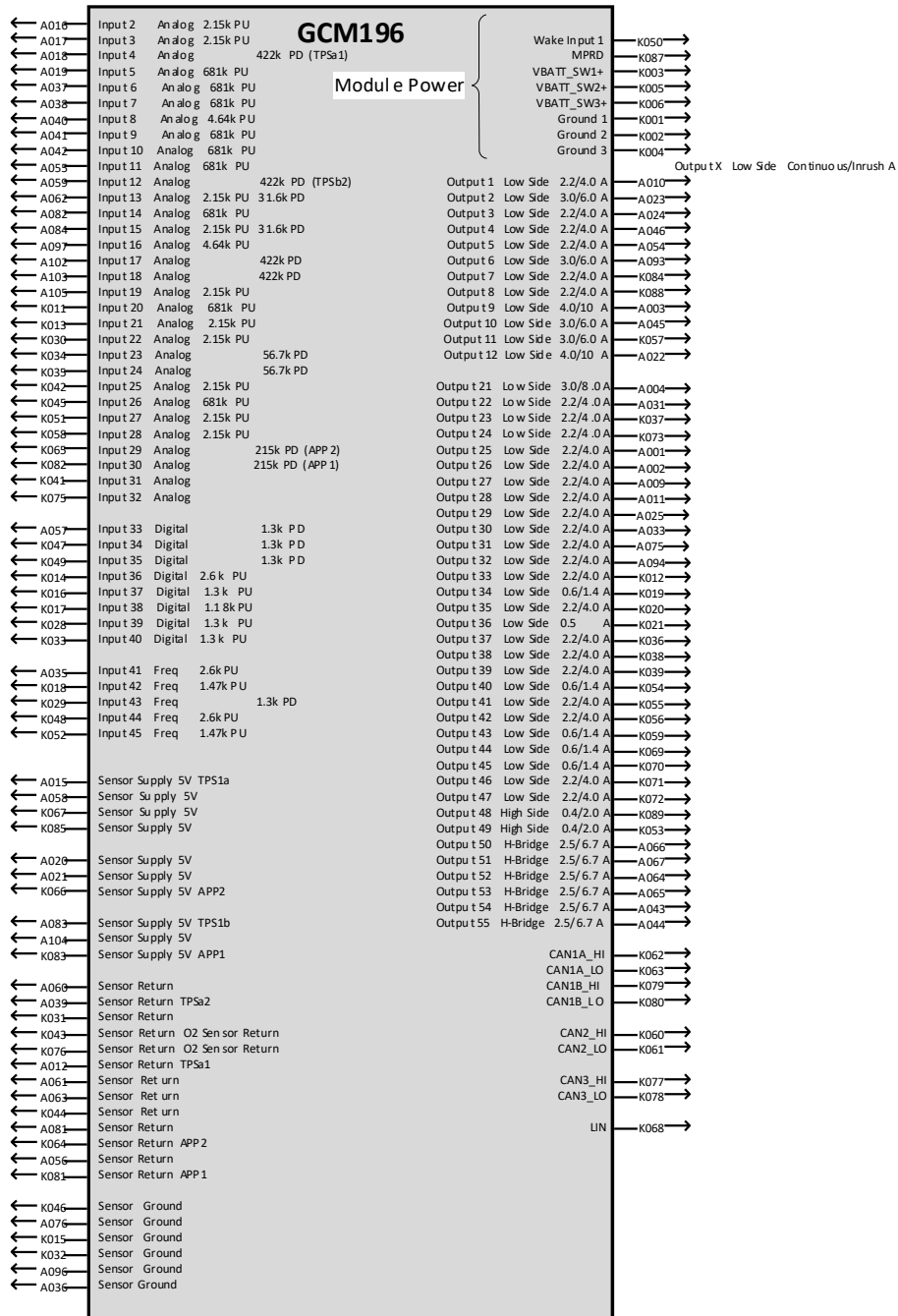
As one of the fastest modules in our lineup due to its Infineon Tricore processor, the GCM196 has 3 CAN buses, 1 LIN bus and a large, diverse variety of I/O. A safety ASIC is designed into the module making it capable of safety critical applications.

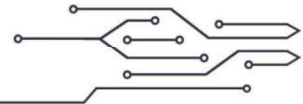
The GCM196 is one of the Raptor™ rugged production controllers that use a software development process based upon MATLAB/Simulink and Raptor-Dev which significantly speeds up algorithm development by using automatic integration and code generation. In addition, developers can quickly test application software using simulation and automated testing.

- Programming
 - MATLAB Simulink with Raptor
- Processor
 - Infineon Tricore TC1793
 - 200/260MHz
- Memory
 - 4MB Flash
 - 96KB EEPROM
 - 256 KB Internal RAM
- ASIL B Capable
- 45 Inputs
 - 1 Wake Input
 - 31 Analog Inputs
 - 8 Digital Inputs
 - 5 Frequency Inputs
 - 1 Emergency Stop
- 45 Outputs
 - 39 Low Side Drivers
 - 3 H-Bridges
 - 2 High Side Driver
 - 1 Main Power Relay Driver
- 6-16 V Operating Voltage
- Communication
 - 3 CAN 2.0B
 - 1 LIN
- Environmental
 - -40°C to +105°C Operating Temp
 - Mechanical Shock 500m/s², 6 ms, half-sine wave 10x/axis
 - CISPR25(2002-08), ISO 11452-2 (2004-11), 11452-4 (2005-04), 10605 (2001-12), 7637-2 (2004-06), 7637-3 (2007-07)
 - Aluminum Construction 2.2lb (1.1kg)
- Required Compiler
 - Hitech Compiler v3.4.5.11

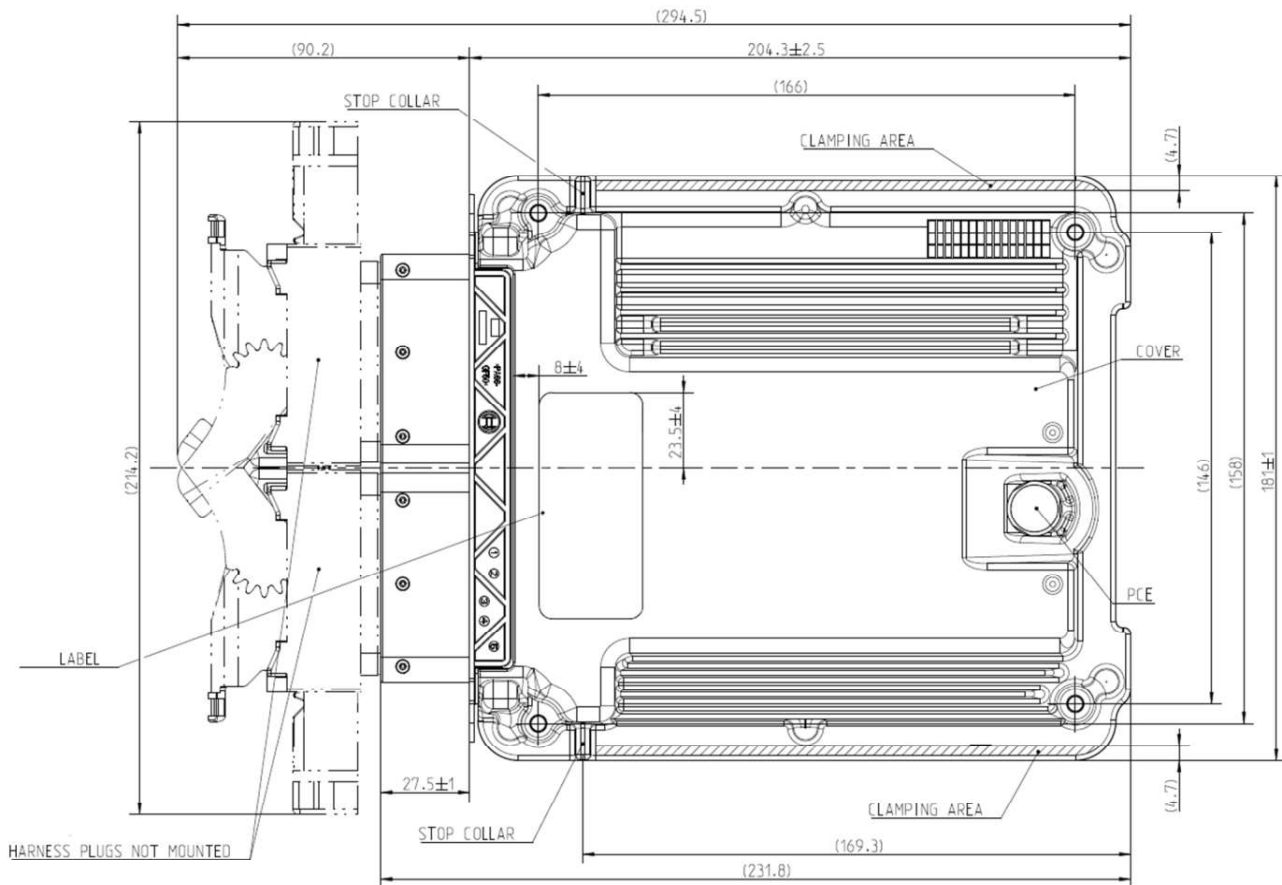


Block Diagram





Dimensions



Connections

The connector is split into two chambers, 105 pins for connector A and 91 pins for connector K. Contact New Eagle Distribution (NED) to purchase a connector kit quotes@neweagle.net

