

GCM48-2104

Raptor General-Purpose Control Module
P/N: GCM-5605B-048-2104



The GCM48-2104 is a general-purpose control module with 6 CAN buses, 2 LIN Masters and 1 LIN Slave, and configurable discrete inputs and outputs including analog inputs, frequency inputs, a wake input, low-side driver outputs, and an H-bridge driver output. There is also an output that is configured for Fuel Level Indicator actuation.

The GCM48-2104 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 2021a_1.0 or newer

■ Processor

- NXP MPC5605B
- 64 MHz

■ Memory

- 512KB App Flash
- 16KB EEPROM
- 64 KB Internal RAM

■ 17 Inputs

- 12 Analog Inputs
- 4 Frequency Inputs
- 1 Wake Input

■ 9 Outputs

- 7 Low Side Drivers (PWM)
- 1 Fuel Level Output (PWM)
- 1 H-Bridge Driver (PWM)

■ 8-16 V Operating Voltage

■ Communication

- 6 CAN 2.0B
 - Wake on CAN2
- 3 LIN
 - 2 LIN Master, 1 LIN Slave
 - Wake on LIN2

■ Environmental

- -40°C to 105°C Operating Temp
- IP6k7 Compliant

■ Compiler

- S32DS for Power Architecture Version V2.1
(Free download from NXP)

■ Aluminum Construction

■ Weight

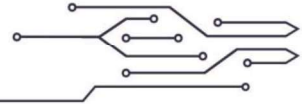
- 0.6lb (0.3kg)

FAAR SAS

Bâtiment Narcisse,
18, avenue du Québec,
91140 Villebon-sur-Yvette – France

+33 (0)1 60 19 79 70
sales@faar-pronergy.com
www.faar-pronergy.com

Société immatriculée au RCS d'Evry
sous le numéro B 452 806 813
code APE : 7490B



2. Block Diagram

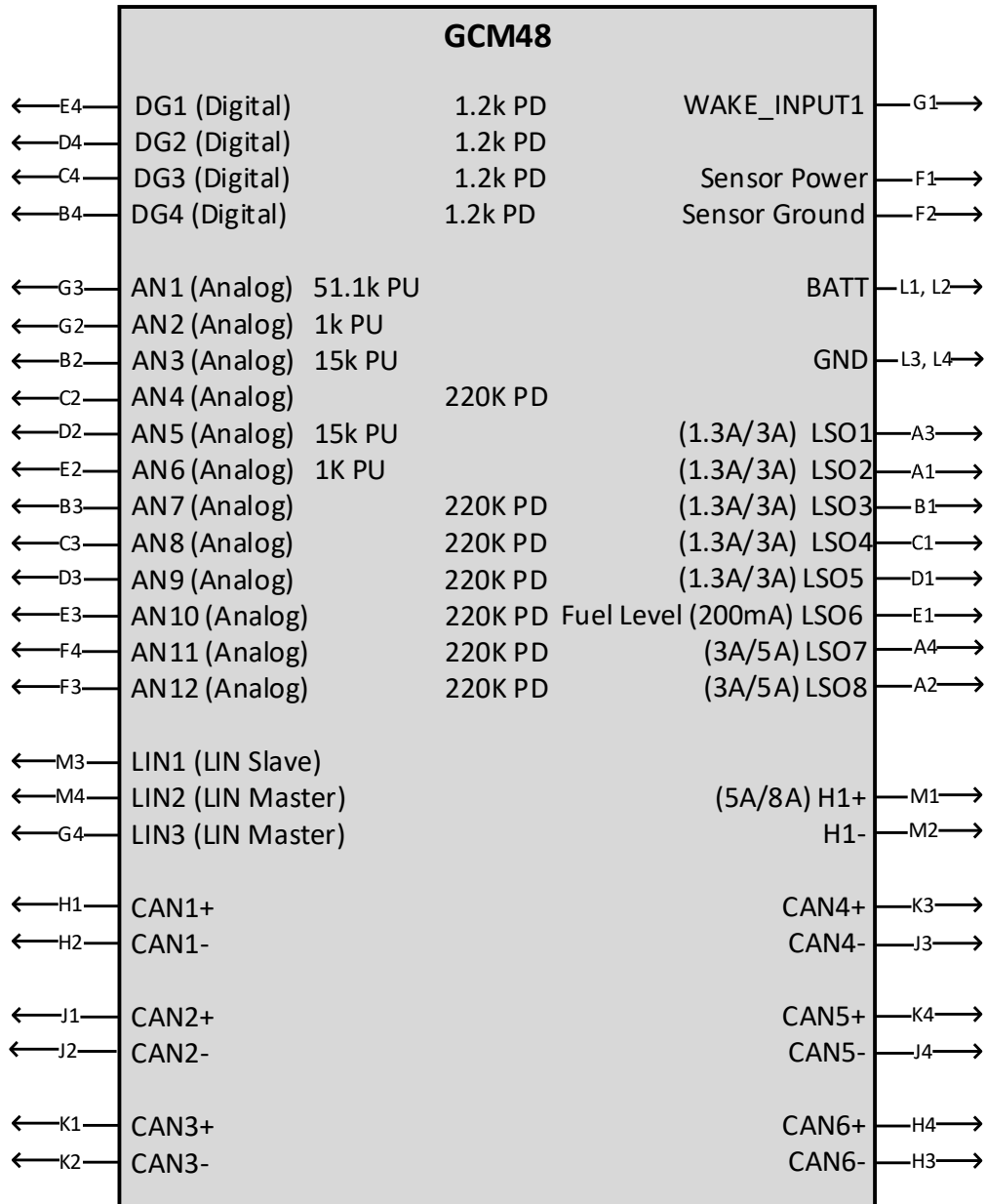
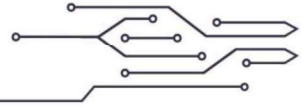


Figure 1: GCM-5605B-048-2104 Block Diagram



7. Dimensions (mm)

