Gremlin Evaluation Board
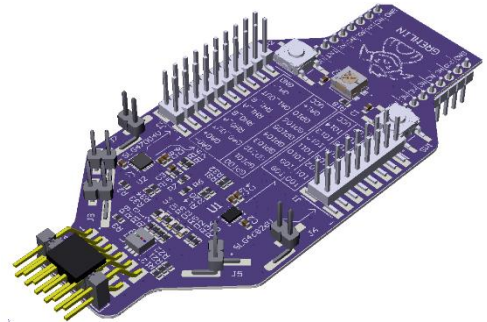
Overview

Gremlin (FUT-REN-GREMLIN) is a multifunctional evaluation platform designed by Future Electronics. It allows for fast, efficient and easy prototyping for various applications using only two integrated circuits, the Renesas GreenPAK™ Programmable Mixed-Signal Matrix (SLG47004V & SLG46826V), programmed via I^{2}C interface through the on board PMOD or mikroBUS^{TM} connectors. User can create specific functional circuit by programming the Non-Volatile Memory (NVM) on the GreenPAK devices to configure the interconnect logic, the analog and digital microcells, and the IO Pins.

Additionally, the Gremlin board comes with pre-programmed software to demonstrate the functionality of example applications.

Ordering Part Number:
FUT-REN-GREMLIN

Features

- Renesas GreenPAK Programmable Mixed-Signal Matrix (SLG47004V)

- Renesas GreenPAK Programmable Mixed-Signal Matrix (SLG46826V)

- Interface and Connectivity:
  - Two user buttons
  - GPIOs
  - I^{2}C via:
    - mikroBUS^{TM} Socket
    - PMOD

System Block Diagram