

Quick Start Guide

RL78/G23-128p
Fast Prototyping Board



(1) Downloading the user's manual

Download the user's manual from the Web site below and check the full specifications before using the board.
URL: https://www.renesas.com/rl78g23-128p_fpb

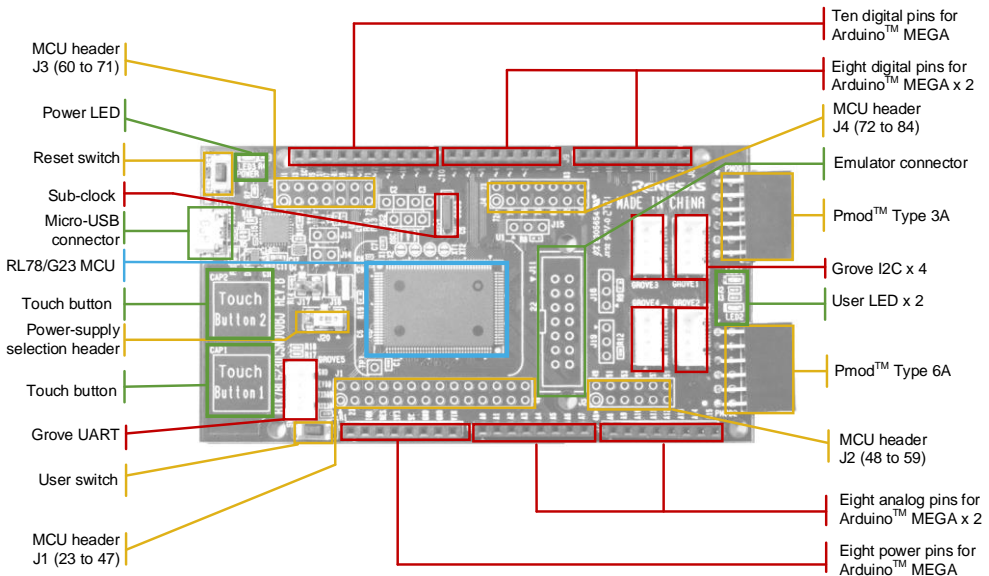
(2) Package components

RL78/G23-128p Fast Prototyping Board (RTK7RLG230CSN000BJ) and Quick Start Guide (this document)

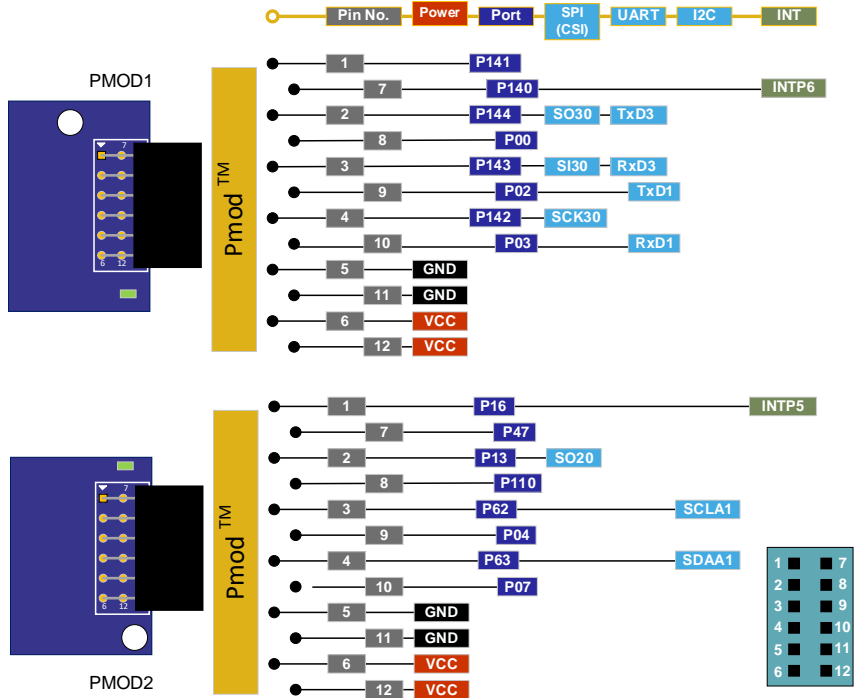
(3) Table of board specifications

| Item | Specification |
|--|--|
| Evaluation MCU RL78/G23 with 128 pins | Part No.: R7F100GSN2DFB; package: 128-pin LQFPF On-chip memory: 768-KB ROM, 48-KB RAM, 8-KB data flash memory |
| Push switches | Reset switch x 1, user switch x 1 |
| LEDs | Power indicator: green x 1, user: green x 2 |
| Capacitive touch buttons | 2 |
| Pmod™ connectors | Connectors: Angle type, 12 pins x 2 |
| Arduino™ connectors | Connectors: 8 pins x 5, 10 pins x 1 The interfaces are partially compatible with Arduino™ Mega; digital pins D22 to D53 on Arduino™ Mega are not supported. |
| Grove connectors | Interface for Grove modules I2C: x 4; UART: x 1 |

(4) Parts layout



(5) Pmod™ interface



(6) Arduino™ interface

