

R5F10EGCGFB

Subscribe: Share: [Provide feedback](#) [Print this page](#) **TEXT SIZE**
S M L

- Products
- Microcontroller and Microprocessor
- RL78 Family
- RL78/G1x
- RL78/G1A

Overview Documentation

- Product Spec
- Order Information **Contact**
- Package

Product Spec

- Basic Information
- Memory
- CPU (Bit, Clock, DMA, External Bus etc)
- Timers
- Analog
- Interfaces
- Operating Conditions

| Basic Information | |
|-------------------|-----------------|
| Product Status | Mass Production |
| Family | RL78 |
| Series | RL78/G1x |
| Group | RL78/G1A |

| Memory | |
|----------------|--------------------|
| Program memory | 32 KB Flash memory |
| RAM | 2 KB |
| Data Flash | 4 KB |

| CPU (Bit, Clock, DMA, External Bus etc) | |
|---|---|
| CPU | RL78 (16-bit) |
| Max. Frequency | 32 MHz |
| Sub-Clock (32.768 kHz) | YES |
| On-chip Oscillator Freq. | High-Speed:32M, 24M, 16M, 12M, 8M, 6M, 4M, 3M, 2M, 1MHz Low-speed:15kHz |
| Real-Time Clock (RTC) | YES |
| Power-On Reset | YES |
| Low Voltage Detection | YES |
| DMA Remarks | DMAC x 2 ch |
| External Interrupt Pins | 10 |
| I/O Ports | 42 |

| Timers | |
|-----------------|------------------------------|
| 8-bit Timers | 4 ch |
| 16-bit Timers | 8 ch |
| Watchdog Timers | 1 ch |
| Other Timers | 12-bit Interval Timer x 1 ch |
| PWM Output | 3 |

| Analog | |
|----------------|----------------|
| A/D Converters | 12-bit x 24 ch |

| Interfaces | |
|------------|------|
| CSIs | 5 ch |
| UARTs | 3 ch |
| I2Cs | 6 ch |
| LIN | 1 ch |

| Operating Conditions | |
|-----------------------|-------------------------------------|
| Operating Voltage | 2.4 to 3.6 V |
| Operating Temperature | -40 to 105 °C (Ambient Temperature) |

[Back To Top](#)

Order Information

| Orderable Part No. | Order | Production Status | Packing | MOQ | EU RoHS | RoHS-pdf (China-RoHS) |
|--------------------|----------------|-------------------|---------------|------|-----------|-------------------------|
| R5F10EGCGFB#0 | Contact | Mass Production | Tray | - | Compliant | English |
| R5F10EGCGFB#0 | Contact | Mass Production | Embossed Tape | 2000 | Compliant | English |

[Back To Top](#)

Package

| Package | |
|-------------------|------------------------------------|
| Pins | 48 |
| Pin pitch | 0.5 mm |
| Package Type | LFQFP |
| Body Size | 7x7 mm ² |
| Package drawing | p48ga-50-8eu |
| Mount pad drawing | fig0009e |
| Mounting height | 1.6 mm |
| Mass | 0.16 g |
| Renesas code | PLQP0048KF-A (old: P48GA-50-8EU-1) |
| JEITA code | P-LFQFP48-7x7-0.50 |
| Remarks | LQFP(matrix line) |

[Back To Top](#)

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Microprocessors - MPU category](#):

Click to view products by [Renesas manufacturer](#):

Other Similar products are found below :

[MC68302EH20C](#) [MC7457RX1000LC](#) [MC7457RX1267LC](#) [A2C00010998 A](#) [A2C52004004](#) [R5F117BCGNA#20](#) [R5F52106BDLA#U0](#)
[R5S72690W266BG#U0](#) [ADJ3400IAA5DOE](#) [MPC8245TVV266D](#) [MPC8245TZU300D](#) [MPC8260ACVVMHBB](#) [MPC8323ECVRAFDCA](#)
[MPC8536ECVJAVLA](#) [BOXNUC5PGYH0AJ](#) [20-668-0024](#) [P1010NSN5DFB](#) [P2020NXE2HHC](#) [P5020NSE7TNB](#) [P5020NSE7VNB](#)
[LS1020ASN7KQB](#) [LS1020AXN7HNB](#) [LS1020AXN7KQB](#) [A2C00010729 A](#) [A2C00039344](#) [T1022NSE7MQB](#) [T1022NXN7PQB](#)
[T1023NSE7MQA](#) [T1024NXE7PQA](#) [T1042NSN7MQB](#) [T1042NXN7WQB](#) [T2080NSN8PTB](#) [T2080NXE8TTB](#) [T2081NXN8TTB](#)
[R5F101AFASP#V0](#) [MC68302CEH20C](#) [TS68040MF33A](#) [MPC8260ACVVMIBB](#) [MPC8280CZUUPEA](#) [MPC8313ECVRAFFC](#)
[MPC8313ECVRAGDC](#) [MPC8313EVRADDC](#) [MPC8313EVRAFFC](#) [MPC8313VRADDC](#) [MPC8323EVRAFDCA](#) [BOXSTCK1A8LFCL](#)
[UPD78F0503AMCA-CAB-G](#) [UPD78F0513AGA-8EU-AT](#) [UPD78F0730MC-CAB-AX](#) [DF2134BFA20V](#)