

R5F10PPHLFB#X5



Part Number: [R5F10PPHLFB#X5](#)

Manufacturer: [Renesas Electronics America](#)

Description: RL78/F14 100PIN LQFP 192K -40-10

Data sheet:  [RL78/F13,14 Hardware Manual](#)

RoHs Status:

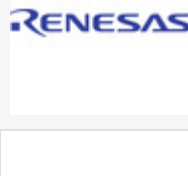
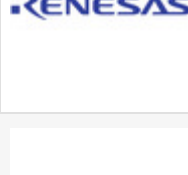
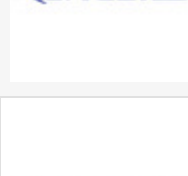
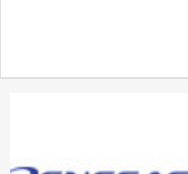
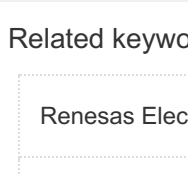
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F10PPHLFB#X5                            | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | RL78/F14 100PIN LQFP 192K -40-10          | Lead Free Status / RoHS Status |                                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16608 pcs                                 | Data sheet                     | <a href="#">RL78/F13,14 Hardware Manual</a>                                           |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.7 V ~ 5.5 V                                                                         |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 100-LQFP (14x14)                          | Speed                          | 32MHz                                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RL78/F14                                  | RAM Size                       | 16K x 8                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                     | Program Memory Size            | 192KB (192K x 8)                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LVD, POR, PWM, WDT                        | Packaging                      | Tape & Reel (TR)                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 100-LQFP                                  | Oscillator Type                | Internal                                                                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -40°C ~ 105°C (TA)                        | Number of I/O                  | 86                                                                                    |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 24 Weeks                                  | Lead Free Status               | Lead free                                                                             |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8K x 8                                    | Detailed Description           | RL78 RL78/F14 Microcontroller IC 16-Bit 32MHz 192KB (192K x 8) FLASH 100-LQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A/D 24x10b, D/A 1x8b                      | Core Size                      | 16-Bit                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | RL78                                      | Connectivity                   | CANbus, CSI, I <sup>2</sup> C, LINbus, SPI, UART/USART                                |
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|  | Part#: <a href="#">R5F10PPJLFB#V0</a><br>Description: IC MCU 16BIT 256KB FLASH 100LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
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|  | Part#: <a href="#">R5F10RB8AFP#X0</a><br>Description: IC MCU 16BIT 8KB FLASH 32LQFP    | Manufacturers: <a href="#">Renesas Electronics America</a> | RFQ |
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