

R5F364A6DFA#U0



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**Part Number:** [R5F364A6DFA#U0](#)

**Manufacturer:** [Renesas Electronics America](#)

**Description:** IC MCU 16BIT 128KB FLASH 100QFP

**Data sheet:**  [M16C/64A Group Datasheet](#)  
 [M16C/64A Group Manual](#)

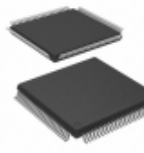
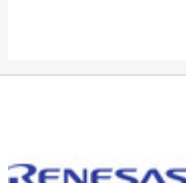
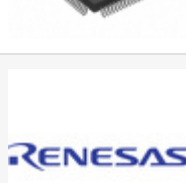
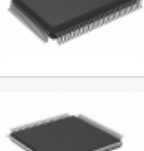
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                  |                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F364A6DFA#U0                            | Manufacturer                     | <a href="#">Renesas Electronics America</a>                                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 128KB FLASH 100QFP           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 18353 pcs                                 | Data sheet                       | <a href="#">M16C/64A Group Datasheet</a><br><a href="#">M16C/64A Group Manual</a>                |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 100-QFP (14x20)                           | Speed                            | 25MHz                                                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | M16C™ M16C/60/64A                         | RAM Size                         | 12K x 8                                                                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                     | Program Memory Size              | 128KB (128K x 8)                                                                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, LVD, POR, PWM, WDT                   | Packaging                        | Tray                                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 100-BQFP                                  | Other Names                      | R5F364A6DFAU0                                                                                    |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 85                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                    |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 24 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                       |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                         | Detailed Description             | M16C/60 M16C™ M16C/60/64A Microcontroller IC 16-Bit 25MHz 128KB (128K x 8) FLASH 100-QFP (14x20) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A/D 26x10b; D/A 2x8b                      | Core Size                        | 16-Bit                                                                                           |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | M16C/60                                   | Connectivity                     | EBI/EMI, I²C, SIO, UART/USART                                                                    |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | R5F364A                                   |                                  |                                                                                                  |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                            |                     |
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|  | Part#: <a href="#">R5F363AKDFA#U0</a><br>Description: IC MCU 16BIT 384KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F3640MDFA#UA</a><br>Description: IC MCU QFP                       | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F363AMDFB#30</a><br>Description: IC MCU 16BIT 512KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">R5F3640DDFA#U0</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F363AMDFA#U0</a><br>Description: IC MCU 16BIT 512KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F363AKNFA#U0</a><br>Description: IC MCU 16BIT 384KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F364AENFB#30</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F364AENFB#V2</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F363AMNFA#U0</a><br>Description: IC MCU 16BIT 512KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F36506CDFB#V0</a><br>Description: IC MCU QFP                      | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F36506CNFB#V0</a><br>Description: IC MCU QFP                      | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F3640MDFA#UZ</a><br>Description: IC MCU QFP                       | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F364AENFB#U0</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F3640MDFB#UZ</a><br>Description: IC MCU QFP                       | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F36506DFA#U0</a><br>Description: IC MCU 16BIT 128KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">R5F3640DDFB#30</a><br>Description: IC MCU 16BIT 256KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <a href="#">RFQ</a> |
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