

R5F3651EDFC#U0



Part Number: [R5F3651EDFC#U0](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 256KB FLASH 128LQFP

Data sheet:  [M16C/65 Datasheet](#)  
 [M16C/65 Hardware Manual](#)

RoHs Status: Lead free / RoHS Compliant

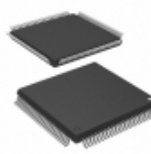
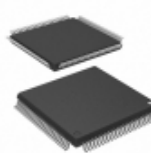
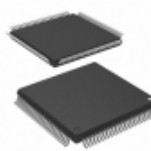
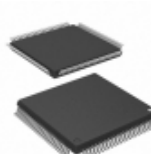
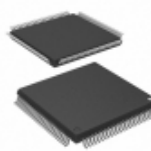
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                  |                                  |                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R5F3651EDFC#U0                                                                                   | Manufacturer                     | <a href="#">Renesas Electronics America</a>                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 256KB FLASH 128LQFP                                                                 | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10203 pcs                                                                                        | Data sheet                       | <a href="#">M16C/65 Datasheet</a><br><a href="#">M16C/65 Hardware Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a>                                                        | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 128-LQFP (14x20)                                                                                 | Speed                            | 32MHz                                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | M16C™ M16C/60/65                                                                                 | RAM Size                         | 20K x 8                                                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                                                                            | Program Memory Size              | 256KB (256K x 8)                                                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, LVD, POR, PWM, WDT                                                                          | Packaging                        | Tray                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 128-LQFP                                                                                         | Other Names                      | R5F3651EDFCU0                                                                |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Internal                                                                                         | Operating Temperature            | -40°C ~ 85°C (TA)                                                            |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 111                                                                                              | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lead free / RoHS Compliant                                                                       | EEPROM Size                      | -                                                                            |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                               | M16C/60 M16C™ M16C/60/65 Microcontroller IC 16-Bit 32MHz 256KB (256K x 8) FLASH 128-LQFP (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                 | R5F3651                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                            |                |
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|  | Part#: <a href="#">R5F3650NDFA#U0</a><br>Description: IC MCU 16BIT 512KB FLASH 100QFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F3651MDFC#U0</a><br>Description: IC MCU 16BIT 512KB FLASH 128LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">R5F3651MCDFC#V0</a><br>Description: IC MCU 16BIT 512KB FLASH 128LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F3650MNFb#V2</a><br>Description: IC MCU 16BIT 512KB FLASH 100QFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F3651KCDFC#V0</a><br>Description: IC MCU 16BIT 384KB FLASH 128LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F3650TNFB#30</a><br>Description: IC MCU 16BIT 768KB FLASH 100QFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F3651KDFC#U0</a><br>Description: IC MCU 16BIT 384KB FLASH 128LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F3651KCNFC#V0</a><br>Description: IC MCU 16BIT 384KB FLASH 128LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F3650NNFB#30</a><br>Description: IC MCU 16BIT 512KB FLASH 100QFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F3650NCNFB#V0</a><br>Description: IC MCU QFP                       | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">R5F3650NCNFA#V0</a><br>Description: IC MCU 16BIT 512KB FLASH 100QFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F3650NDFB#30</a><br>Description: IC MCU 16BIT 512KB FLASH 100QFP   | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F3651NDFC#U0</a><br>Description: IC MCU 16BIT 512KB FLASH 128LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F3651NCNFC#V0</a><br>Description: IC MCU 16BIT 512KB FLASH 128LQFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">R5F3651RDFC#U0</a><br>Description: IC MCU 16BIT 640KB FLASH 128LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |

Related keywords for R5F3651EDFC#U0

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