

M30876FJBGP#U5



Part Number: [M30876FJBGP#U5](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 32BIT 512KB FLASH 100QFP

Data sheet:  [M32C/87 Hardware Manual](#)  
 [M32C/87 Datasheet](#)

RoHS Status: Lead free / RoHS Compliant

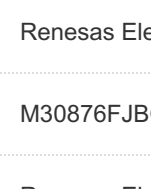
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                |                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | M30876FJBGP#U5                            | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC MCU 32BIT 512KB FLASH 100QFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4848 pcs                                  | Data sheet                     | <a href="#">M32C/87 Hardware Manual</a><br><a href="#">M32C/87 Datasheet</a>                         |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 5.5 V                                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 100-LFQFP (14x14)                         | Speed                          | 32MHz                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | M16C™ M32C/80/87                          | RAM Size                       | 31K x 8                                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FLASH                                     | Program Memory Size            | 512KB (512K x 8)                                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DMA, POR, PWM, WDT                        | Packaging                      | Tray                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 100-LQFP                                  | Oscillator Type                | Internal                                                                                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -20°C ~ 85°C (TA)                         | Number of I/O                  | 85                                                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                           |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                         | Detailed Description           | M32C/80 M16C™ M32C/80/87 Microcontroller IC 16/32-Bit 32MHz 512KB (512K x 8) FLASH 100-LFQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A/D 26x10b; D/A 2x8b                      | Core Size                      | 16/32-Bit                                                                                            |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | M32C/80                                   | Connectivity                   | EBI/EMI, I²C, IEBus, IrDA, SIO, UART/USART                                                           |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | M30876                                    |                                |                                                                                                      |
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|  | Part#: <a href="#">M30875FHAGP#U5</a><br>Description: IC MCU 32BIT 384KB FLASH 144QFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">M30879FKAGP#U5</a><br>Description: IC MCU 32BIT 768KB FLASH 100QFP | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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