

M30280FCHP#U3B



Part Number: [M30280FCHP#U3B](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 128KB FLASH 80LQFP

Data sheet:  [M16C/28 Group Datasheet](#)  
 [MC16C/28 Hardware Manual](#)

RoHs Status: Lead free / RoHS Compliant

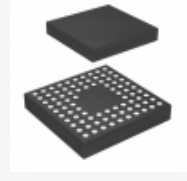
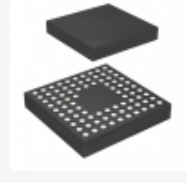
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                |                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | M30280FCHP#U3B                            | Manufacturer                   | <a href="#">Renesas Electronics America</a>                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC MCU 16BIT 128KB FLASH 80LQFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5522 pcs                                  | Data sheet                     | <a href="#">M16C/28 Group Datasheet</a><br><a href="#">MC16C/28 Hardware Manual</a>               |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.7 V ~ 5.5 V                                                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 80-LQFP (12x12)                           | Speed                          | 20MHz                                                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | M16C™ M16C/Tiny/28                        | RAM Size                       | 12K x 8                                                                                           |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FLASH                                     | Program Memory Size            | 128KB (128K x 8)                                                                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DMA, POR, PWM, Voltage Detect, WDT        | Packaging                      | Tray                                                                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 80-LQFP                                   | Oscillator Type                | Internal                                                                                          |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -40°C ~ 85°C (TA)                         | Number of I/O                  | 71                                                                                                |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                        |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                         | Detailed Description           | M16C/60 M16C™ M16C/Tiny/28 Microcontroller IC 16-Bit 20MHz 128KB (128K x 8) FLASH 80-LQFP (12x12) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A/D 24x10b                                | Core Size                      | 16-Bit                                                                                            |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | M16C/60                                   | Connectivity                   | PC, IEBus, SIO, UART/USART                                                                        |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | M30280                                    |                                |                                                                                                   |
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|  | Part#: <a href="#">M30280FAWG#U5B</a><br>Description: IC MCU 16BIT 96KB FLASH 85TFLGA | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M30280FAHP#U5B</a><br>Description: IC MCU 16BIT 96KB FLASH 80LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">M30280FAHP#U7B</a><br>Description: IC MCU 16BIT 96KB FLASH 80LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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