

M30280F6HP#U3B



Part Number: [M30280F6HP#U3B](#)

Manufacturer: [Renesas Electronics America](#)

Description: IC MCU 16BIT 48KB FLASH 80LQFP

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

RoHs Status: Lead free / RoHS Compliant

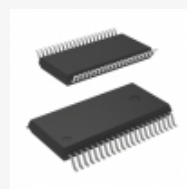
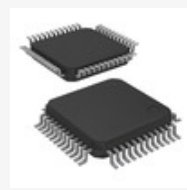
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                 |                                  |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | M30280F6HP#U3B                                                                                  | Manufacturer                     | <a href="#">Renesas Electronics America</a>                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 16BIT 48KB FLASH 80LQFP                                                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12459 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                         | 4K x 8                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                                                                           | Program Memory Size              | 48KB (48K x 8)                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, POR, PWM, Voltage Detect, WDT                                                              | Packaging                        | Tray                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 80-LQFP                                                                                         | Other Names                      | M30280F6HP#U3<br>M30280F6HP#U3-ND<br>M30280F6HPU3B                                  |
| 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 48KB (48K x 8) FLASH 80-LQFP (12x12) | Data Converters                  | A/D 24x10b                                                                          |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16-Bit                                                                                          | Core Processor                   | M16C/60                                                                             |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I²C, IEBus, SIO, UART/USART                                                                     | Base Part Number                 | M30280                                                                              |
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|  | Part#: <a href="#">M30263F8BFP#U5A</a><br>Description: MCU LQFP                       | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">M30280F8HP#U3B</a><br>Description: IC MCU 16BIT 64KB FLASH 80LQFP  | Manufacturers: <a href="#">Renesas Electronics America</a> | <div>RFQ</div> |

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