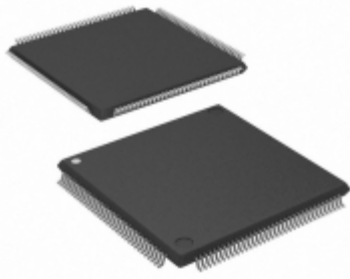


AT91M42800A-33AU





Part Number: [AT91M42800A-33AU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT ROMLESS 144LQFP

Data sheet:  [AT91M42800A Summary](#)  
 [AT91M42800A Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

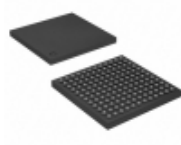
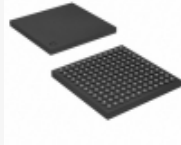
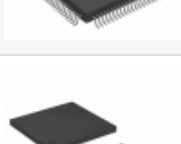
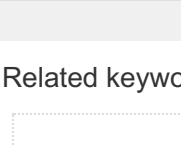
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                  |                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | AT91M42800A-33AU                          | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 32BIT ROMLESS 144LQFP              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11166 pcs                                 | Data sheet                       | <a href="#">AT91M42800A Summary</a><br><a href="#">AT91M42800A Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 3.6 V                                                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 144-LQFP (20x20)                          | Speed                            | 33MHz                                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | AT91                                      | RAM Size                         | 8K x 8                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ROMless                                   | Program Memory Size              | -                                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | WDT                                       | Packaging                        | Tray                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 144-LQFP                                  | Other Names                      | AT91M42800A33AU                                                              |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | External                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                            |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 54                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                   |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                         | Detailed Description             | ARM7® AT91 Microcontroller IC 16/32-Bit 33MHz ROMless 144-LQFP (20x20)       |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                         | Core Size                        | 16/32-Bit                                                                    |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ARM7®                                     | Connectivity                     | EBI/EMI, SPI, UART/USART                                                     |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AT91M42800                                |                                  |                                                                              |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">AT91M43300-25CI</a><br>Description: IC MCU 32BIT ROMLESS 144BGA       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M42800A-33CJ-999</a><br>Description: IC MCU 32BIT ROMLESS 144BGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M40800-33AU-999</a><br>Description: IC MCU 32BIT ROMLESS 100LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M40800-33AI</a><br>Description: IC MCU 32BIT ROMLESS 100LQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M42800-33AI</a><br>Description: IC MCU 32BIT ROMLESS 144LQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M42800A-33CI-T</a><br>Description: IC MCU 32BIT ROMLESS 144BGA    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M42800A-33AI</a><br>Description: IC MCU 32BIT ROMLESS 144LQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M42800-33CI</a><br>Description: IC MCU 32BIT ROMLESS 144BGA       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M43300-25CC</a><br>Description: IC MCU 32BIT ROMLESS 144BGA       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M42800A-33AI-T</a><br>Description: IC MCU 32BIT ROMLESS 144LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M42800A-33CI</a><br>Description: IC MCU 32BIT ROMLESS 144BGA      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M40800-33AI-T</a><br>Description: IC MCU 32BIT ROMLESS 100LQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M43300-25CJ</a><br>Description: IC MCU 32BIT ROMLESS 144BGA       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M40400-33AC</a><br>Description: IC MCU 32BIT ROMLESS 100TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M42800A-33CJ</a><br>Description: IC MCU 32BIT ROMLESS 144BGA      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M55800-33AI</a><br>Description: IC MCU 32BIT ROMLESS 176LQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M40400-25AI</a><br>Description: IC MCU 32BIT ROMLESS 100TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M55800-33CI</a><br>Description: IC MCU 32BIT ROMLESS 176LFBGA     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M42800A-33AU-999</a><br>Description: IC MCU 32BIT ROMLESS 144LQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91M40800-33AU</a><br>Description: IC MCU 32BIT ROMLESS 100LQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

|                                                |                                       |                                        |                        |
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