



ATMEGA88PA-CCU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA88PA-CCU                                                                                               |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 8KB FLASH 32UFBGA                                                                                |
|                     |  1.ATMEGA88PA-CCU.pdf       |
|                     |  2.ATMEGA88PA-CCU.pdf       |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 60195 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

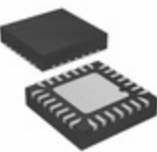
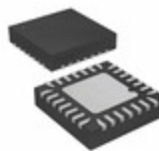
Specifications of ATMEGA88PA-CCU

|                                  |                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA88PA-CCU                                                                                                                                                                                                       |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 8BIT 8KB FLASH 32UFBGA                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 60195 pcs                                                                                                                                                                                                            |
| DATA SHEET                       |  1.ATMEGA88PA-CCU.pdf<br> 2.ATMEGA88PA-CCU.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.5 V                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 32-UFBGA (4x4)                                                                                                                                                                                                       |
| SPEED                            | 20MHz                                                                                                                                                                                                                |
| SERIES                           | AVR® ATmega                                                                                                                                                                                                          |
| RAM SIZE                         | 1K x 8                                                                                                                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                |
| PROGRAM MEMORY SIZE              | 8KB (4K x 16)                                                                                                                                                                                                        |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                                                                                                                                |
| PACKAGING                        | Tray                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 32-UFBGA                                                                                                                                                                                                             |
| OTHER NAMES                      | ATMEGA88PACCU                                                                                                                                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                    |
| NUMBER OF I/O                    | 23                                                                                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                           |
| EEPROM SIZE                      | 512 x 8                                                                                                                                                                                                              |
| DETAILED DESCRIPTION             | AVR AVR® ATmega Microcontroller IC 8-Bit 20MHz 8KB (4K x 16) FLASH 32-UFBGA (4x4)                                                                                                                                    |
| DATA CONVERTERS                  | A/D 8x10b                                                                                                                                                                                                            |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                |
| CORE PROCESSOR                   | AVR                                                                                                                                                                                                                  |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                                 |
| BASE PART NUMBER                 | ATMEGA88                                                                                                                                                                                                             |

Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology ATMEGA88PA-CCU | ATMEGA88PA-CCU Distributor             | ATMEGA88PA-CCU Supplier                               |
| ATMEGA88PA-CCU Price                         | ATMEGA88PA-CCU Pictures                | ATMEGA88PA-CCU Image                                  |
| ATMEGA88PA-CCU PDF Datasheet                 | ATMEGA88PA-CCU Download Datasheet      | ATMEGA88PA-CCU Datasheet                              |
| ATMEGA88PA-CCU Stock                         | Buy ATMEGA88PA-CCU                     | Buy Micrel / Microchip Technology ATMEGA88PA-CCU      |
| Micrel / Microchip Technology ATMEGA88PA-CCU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology ATMEGA88PA-CCU | Microchip Technology ATMEGA88PA-CCU    | Roving Networks / Microchip Technology ATMEGA88PA-CCU |

Related Products

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| <div>MICROCHIP</div> <div>ATMEGA88PA-ANR</div> <div>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32TQFP<br/>In stock: 65898 pcs</div> <div>RFQ</div>   | <div></div> <div>ATMEGA88PA-MMHR</div> <div>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 28VQFN<br/>In stock: 70649 pcs</div> <div>RFQ</div>                  |
| <div></div> <div>ATMEGA88PA-ANR</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32TQFP<br/>In stock: 73816 pcs</div> <div>RFQ</div>   | <div></div> <div>ATMEGA88PA-CCUR</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32UFBGA<br/>In stock: 68439 pcs</div> <div>RFQ</div>        |
| <div></div> <div>ATMEGA88PA-MMH</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 28VQFN<br/>In stock: 65015 pcs</div> <div>RFQ</div>   | <div></div> <div>ATMEGA88PA-AU</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32TQFP<br/>In stock: 62620 pcs</div> <div>RFQ</div>           |
| <div>MICROCHIP</div> <div>ATMEGA88PA-CCUR</div> <div>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32UFBGA<br/>In stock: 63859 pcs</div> <div>RFQ</div> | <div></div> <div>ATMEGA88PA-AN</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32TQFP<br/>In stock: 61086 pcs</div> <div>RFQ</div>           |
| <div></div> <div>ATMEGA88PA-AUR</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32TQFP<br/>In stock: 69477 pcs</div> <div>RFQ</div>   | <div>MICROCHIP</div> <div>ATMEGA88PA-15MZ</div> <div>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32QFN<br/>In stock: 15255 pcs</div> <div>RFQ</div>          |
| <div></div> <div>ATMEGA88PA-MMN</div> <div>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 28VQFN<br/>In stock: 69587 pcs</div> <div>RFQ</div>            | <div>MICROCHIP</div> <div>ATMEGA88PA-MMN</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 28VQFN<br/>In stock: 97607 pcs</div> <div>RFQ</div> |