



ATMEGA649-16AI

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA649-16AI                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                        |
| Product description | IC MCU 8BIT 64KB FLASH 64TQFP                                                                                        |
|                     |  1.ATMEGA649-16AI.pdf               |
|                     |  2.ATMEGA649-16AI.pdf               |
| Datasheets:         |                                                                                                                      |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Stock Condition     | 6571 pcs stock                                                                                                       |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

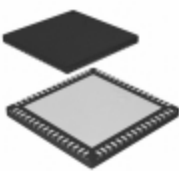
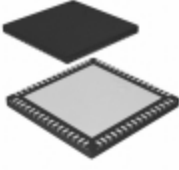
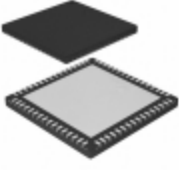
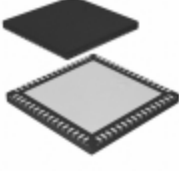
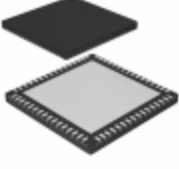
Specifications of ATMEGA649-16AI

|                                  |                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA649-16AI                                                                                                                                                                                                       |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 8BIT 64KB FLASH 64TQFP                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                   |
| QUANTITY AVAILABLE               | 6571 pcs                                                                                                                                                                                                             |
| DATA SHEET                       |  1.ATMEGA649-16AI.pdf<br> 2.ATMEGA649-16AI.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 64-TQFP (14x14)                                                                                                                                                                                                      |
| SPEED                            | 16MHz                                                                                                                                                                                                                |
| SERIES                           | AVR® ATmega                                                                                                                                                                                                          |
| RAM SIZE                         | 4K x 8                                                                                                                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                |
| PROGRAM MEMORY SIZE              | 64KB (32K x 16)                                                                                                                                                                                                      |
| PERIPHERALS                      | Brown-out Detect/Reset, LCD, POR, PWM, WDT                                                                                                                                                                           |
| PACKAGING                        | Tray                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 64-TQFP                                                                                                                                                                                                              |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                    |
| NUMBER OF I/O                    | 53                                                                                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                   |
| EEPROM SIZE                      | 2K x 8                                                                                                                                                                                                               |
| DETAILED DESCRIPTION             | AVR AVR® ATmega Microcontroller IC 8-Bit 16MHz 64KB (32K x 16) FLASH 64-TQFP (14x14)                                                                                                                                 |
| DATA CONVERTERS                  | A/D 8x10b                                                                                                                                                                                                            |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                |
| CORE PROCESSOR                   | AVR                                                                                                                                                                                                                  |
| CONNECTIVITY                     | SPI, UART/USART, USI                                                                                                                                                                                                 |
| BASE PART NUMBER                 | ATMEGA649                                                                                                                                                                                                            |

Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology ATMEGA649-16AI | ATMEGA649-16AI Distributor             | ATMEGA649-16AI Supplier                               |
| ATMEGA649-16AI Price                         | ATMEGA649-16AI Pictures                | ATMEGA649-16AI Image                                  |
| ATMEGA649-16AI PDF Datasheet                 | ATMEGA649-16AI Download Datasheet      | ATMEGA649-16AI Datasheet                              |
| ATMEGA649-16AI Stock                         | Buy ATMEGA649-16AI                     | Buy Micrel / Microchip Technology ATMEGA649-16AI      |
| Micrel / Microchip Technology ATMEGA649-16AI | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology ATMEGA649-16AI | Microchip Technology ATMEGA649-16AI    | Roving Networks / Microchip Technology ATMEGA649-16AI |

Related Products

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                  |
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|  <div><b>ATMEGA645V-8MI</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64QFN<br/>In stock: 3647 pcs<br/><div>RFQ</div></div>    |  <div><b>ATMEGA645V-8MUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64QFN<br/>In stock: 19841 pcs<br/><div>RFQ</div></div>           |
|  <div><b>ATMEGA649-16MI</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64QFN<br/>In stock: 5283 pcs<br/><div>RFQ</div></div>    |  <div><b>ATMEGA645V-8MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64QFN<br/>In stock: 15938 pcs<br/><div>RFQ</div></div>   |
|  <div><b>ATMEGA649-16AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 13899 pcs<br/><div>RFQ</div></div>  |  <div><b>ATMEGA645V-8AUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 18367 pcs<br/><div>RFQ</div></div>          |
|  <div><b>ATMEGA649-16MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64QFN<br/>In stock: 13402 pcs<br/><div>RFQ</div></div>   |  <div><b>ATMEGA649-16AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 13508 pcs<br/><div>RFQ</div></div> |
|  <div><b>ATMEGA649-16AUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 16459 pcs<br/><div>RFQ</div></div>          |  <div><b>ATMEGA649-16MUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64QFN<br/>In stock: 14621 pcs<br/><div>RFQ</div></div>           |
|  <div><b>ATMEGA645V-8AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 19895 pcs<br/><div>RFQ</div></div> |  <div><b>ATMEGA645V-8MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64QFN<br/>In stock: 17799 pcs<br/><div>RFQ</div></div>  |