

PIC24HJ256GP210AT-I/PT



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Part Number:

PIC24HJ256GP210AT-I/PT

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 16BIT 256KB FLASH 100TQFP

Data sheet:

 [DSPIC33F, PIC24H Flash Programming Specification](#)

 [16-bit Embedded Control Solutions](#)

 [PIC24HJyyyGPy06/08/10A](#)

 [PIC24HJ256GPX06/08/10A Errata](#)

RoHs Status:

Lead free / RoHS Compliant

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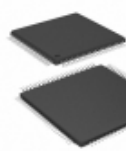
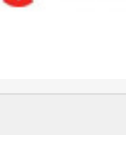
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                |                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC24HJ256GP210AT-I/PT                     | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 256KB FLASH 100TQFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5240 pcs                                   | Data sheet                     | <a href="#">DSPIC33F, PIC24H Flash Programming Specification</a><br><a href="#">16-bit Embedded Control Solutions</a><br><a href="#">PIC24HJyyyGPy06/08/10A</a><br><a href="#">PIC24HJ256GPX06/08/10A Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 3.6 V                                                                                                                                                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 100-TQFP (12x12)                           | Speed                          | 40 MIPs                                                                                                                                                                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PIC® 24H                                   | RAM Size                       | 16K x 8                                                                                                                                                                                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                      | Program Memory Size            | 256KB (85.5K x 24)                                                                                                                                                                                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Packaging                      | Tape & Reel (TR)                                                                                                                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 100-TQFP                                   | Oscillator Type                | Internal                                                                                                                                                                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 85°C (TA)                          | Number of I/O                  | 85                                                                                                                                                                                                               |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 (168 Hours)                              | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                       |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                          | Detailed Description           | PIC PIC® 24H Microcontroller IC 16-Bit 40 MIPs 256KB (85.5K x 24) FLASH 100-TQFP (12x12)                                                                                                                         |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 32x10b/12b                             | Core Size                      | 16-Bit                                                                                                                                                                                                           |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PIC                                        | Connectivity                   | I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                               |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC24HJ256GP210A                           |                                |                                                                                                                                                                                                                  |
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