


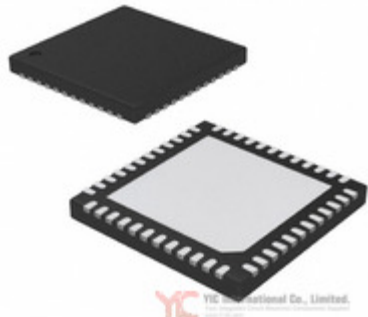



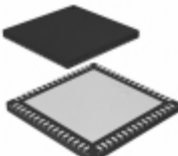


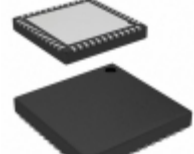
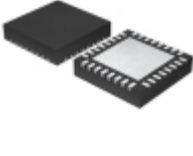
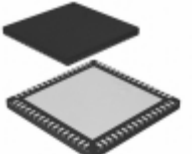

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|---|---|
|   | <p><b>ATSAMR30G18A-MUT</b></p>  |
|   | <p><b>Manufacturer Part Number:</b> ATSAMR30G18A-MUT</p> <p><b>Manufacturer/Brand:</b> Micrel / Microchip Technology</p> <p><b>Part of Description:</b> 48 PIN SIP 256K MCU SUB-GHZ RADI</p> <p><b>Datasheets:</b> <a href="#">1.ATSAMR30G18A-MUT.pdf</a><br/><a href="#">2.ATSAMR30G18A-MUT.pdf</a></p> <p><b>RoHs Status:</b>  Lead free / RoHS</p> <p><b>Stock Condition:</b>  Compliant<br/>New original, Stock Available.</p> <p><b>Ship From:</b> Hong Kong</p> <p><b>Shipment Way:</b> DHL/Fedex/TNT/UPS/EMS</p> |
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| <p>Image may be representation.<br/>See specs for product details.</p>            |   |

Specifications

|                                  |  |
|----------------------------------|--|
| Part Number                      | ATSAMR30G18A-MUT                                 |
| Manufacturer                     | Micrel / Microchip Technology                    |
| Description                      | 48 PIN SIP 256K MCU SUB-GHZ RADI                 |
| Category                         | RF/IF and RFID > RF Transceiver ICs              |
| Part Status                      | Require For Quote & Check Stock                  |
| Voltage - Supply                 | 1.8 V ~ 3.6 V                                    |
| Type                             | TxRx + MCU                                       |
| Series                           | -  |
| Serial Interfaces                | I <sup>2</sup> C, SPI                            |
| Sensitivity                      | -110dBm  |
| RF Family/Standard               | 802.15.4   |
| Protocol                         | -  |
| Power - Output                   | 11dBm  |
| Packaging                        | Cut Tape (CT)                                    |
| Package / Case                   | 48-VFQFN Exposed Pad                             |
| Other Names                      | ATSAMR30G18A-MUTCT                               |
| Operating Temperature            | -40°C ~ 85°C                                     |
| Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                    |
| Modulation                       | BPSK, O-QPSK                                     |
| Memory Size                      | 256kB Flash, 40kB SRAM                           |
| Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                       |
| GPIO                             | 28   |
| Frequency                        | 700MHz, 800MHz, 900MHz                           |
| Detailed Description             | IC RF TxRx + MCU 802.15.4 700MHz, 800MHz, 900MHz |
| Data Rate (Max)                  | 1Mbps  |
| Current - Transmitting           | 26.5mA   |
| Current - Receiving              | 9.2mA  |

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