


**Micrel / Microchip Technology**

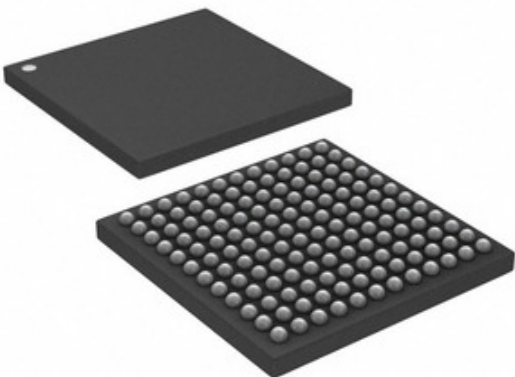


Image may be representation. See specifications for product details.

**ATSAMV71Q20B-CBT**

|                     |                                                                                                                                                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMV71Q20B-CBT                                                                                                                                                                                                                                                            |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                               |
| Product description | FLASH, 384KB SRAM                                                                                                                                                                                                                                                           |
| Datasheets:         | <div>  <a href="#">1.ATSAMV71Q20B-CBT.pdf</a> </div> <div>  <a href="#">2.ATSAMV71Q20B-CBT.pdf</a> </div> |
| RoHs Status         | <div>  Lead free / RoHS Compliant </div>                                                                                                                                                   |
| Stock Condition     | 8422 pcs stock                                                                                                                                                                                                                                                              |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                   |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                       |

REQUEST FOR QUOTATION

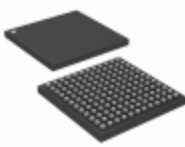
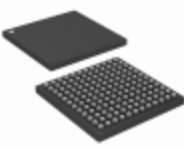
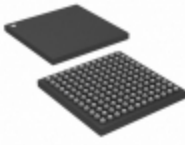
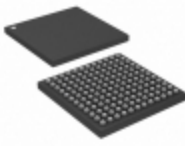
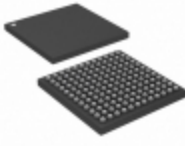
Specifications of ATSAMV71Q20B-CBT

|                                  |                                                                                                                                                                                                                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMV71Q20B-CBT                                                                                                                                                                                                                                                                |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                   |
| DESCRIPTION                      | FLASH, 384KB SRAM                                                                                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                      |
| QUANTITY AVAILABLE               | 8422 pcs                                                                                                                                                                                                                                                                        |
| DATA SHEET                       | <div>  <a href="#">1.ATSAMV71Q20B-CBT.pdf</a> </div> <div>  <a href="#">2.ATSAMV71Q20B-CBT.pdf</a> </div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                                                                     |
| SUPPLIER DEVICE PACKAGE          | 144-TFBGA (10x10)                                                                                                                                                                                                                                                               |
| SPEED                            | 300MHz                                                                                                                                                                                                                                                                          |
| SERIES                           | Automotive, AEC-Q100, SAM V71                                                                                                                                                                                                                                                   |
| RAM SIZE                         | 384K x 8                                                                                                                                                                                                                                                                        |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                           |
| PROGRAM MEMORY SIZE              | 1MB (1M x 8)                                                                                                                                                                                                                                                                    |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                                                                                                                                                                                                 |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                |
| PACKAGE / CASE                   | 144-TFBGA                                                                                                                                                                                                                                                                       |
| OTHER NAMES                      | ATSAMV71Q20B-CBT-TR                                                                                                                                                                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                        |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                                                                                                                                              |
| NUMBER OF I/O                    | 114                                                                                                                                                                                                                                                                             |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                      |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                               |
| DETAILED DESCRIPTION             | ARM® Cortex®-M7 Automotive, AEC-Q100, SAM V71 Microcontroller IC 32-Bit 300MHz 1MB (1M x 8) FLASH 144-TFBGA (10x10)                                                                                                                                                             |
| DATA CONVERTERS                  | A/D 24x12b, D/A 2x12b                                                                                                                                                                                                                                                           |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                          |
| CORE PROCESSOR                   | ARM® Cortex®-M7                                                                                                                                                                                                                                                                 |
| CONNECTIVITY                     | CANbus, EBI/EMI, Ethernet, I²C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SPI, SSC, UART/USART, USB                                                                                                                                                                                      |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATSAMV71Q20B-CBT | ATSAMV71Q20B-CBT Distributor           | ATSAMV71Q20B-CBT Supplier                               |
| ATSAMV71Q20B-CBT Price                         | ATSAMV71Q20B-CBT Pictures              | ATSAMV71Q20B-CBT Image                                  |
| ATSAMV71Q20B-CBT PDF Datasheet                 | ATSAMV71Q20B-CBT Download Datasheet    | ATSAMV71Q20B-CBT Datasheet                              |
| ATSAMV71Q20B-CBT Stock                         | Buy ATSAMV71Q20B-CBT                   | Buy Micrel / Microchip Technology ATSAMV71Q20B-CBT      |
| Micrel / Microchip Technology ATSAMV71Q20B-CBT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology ATSAMV71Q20B-CBT | Microchip Technology ATSAMV71Q20B-CBT  | Roving Networks / Microchip Technology ATSAMV71Q20B-CBT |

Related Products

|                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div> <b>ATSAMV71Q21B-CB</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH, 384KB SRAM<br/> In stock: 6623 pcs </div> <div>RFQ</div>                 |  <div> <b>ATSAMV71Q19B-CBT</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH, 256KB SRAM<br/> In stock: 7839 pcs </div> <div>RFQ</div>     |
|  <div> <b>ATSAMV71Q21B-AABT</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH<br/> In stock: 8939 pcs </div> <div>RFQ</div>                           |  <div> <b>ATSAMV71Q21B-AAB</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH<br/> In stock: 5826 pcs </div> <div>RFQ</div>                 |
|  <div> <b>ATSAMV71Q19B-CB</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH, 256KB SRAM<br/> In stock: 7469 pcs </div> <div>RFQ</div>                 |  <div> <b>ATSAMV71Q19B-AABT</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH, 256KB SRAM<br/> In stock: 9593 pcs </div> <div>RFQ</div>    |
|  <div> <b>ATSAMW25H18-MR210PA</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: RF TXRX MODULE WIFI TRACE ANT<br/> In stock: 3555 pcs </div> <div>RFQ</div> |  <div> <b>ATSAMW25-XPRO</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: EVAL BOARD ATSAMW25-XPRO<br/> In stock: 2425 pcs </div> <div>RFQ</div> |
|  <div> <b>ATSAMV71Q21B-CBT</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: SMART SAM V71 144TFBGA<br/> In stock: 6887 pcs </div> <div>RFQ</div>           |  <div> <b>ATSAMV71Q20B-AABT</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH, 384KB SRAM<br/> In stock: 8964 pcs </div> <div>RFQ</div>    |
|  <div> <b>ATSAMV71Q20B-CB</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH<br/> In stock: 6510 pcs </div> <div>RFQ</div>                             |  <div> <b>ATSAMV71Q20B-AAB</b><br/> Manufacturers: Micrel / Microchip Technology<br/> Description: FLASH, 384KB SRAM<br/> In stock: 8797 pcs </div> <div>RFQ</div>     |