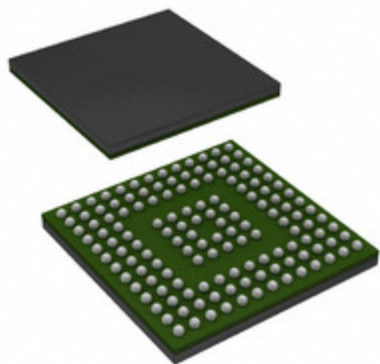


MEC1705Q-C1-I/SZ



Images are for reference only.  
See Product Specifications for product details.  
**Buy MEC1705Q-C1-I/SZ with confidence from Component-World.HK, 1 Year Warranty**



**Part Number:** [MEC1705Q-C1-I/SZ](#)

**Manufacturer:** [Micrel / Microchip Technology](#)

**Description:** EMBEDDED CONTROLLER 480 KB TOTAL

**Data sheet:**  [MEX170x Errata, Clarification](#)  
 [MEX170x Datasheet](#)

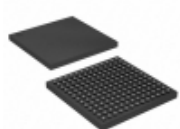
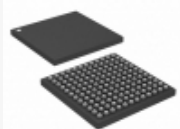
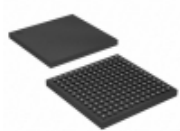
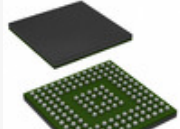
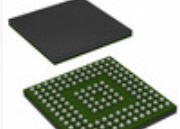
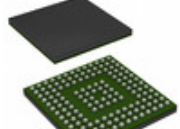
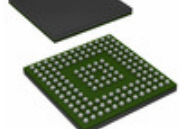
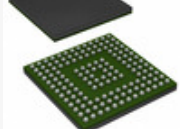
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |                                  |                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MEC1705Q-C1-I/SZ                          | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EMBEDDED CONTROLLER 480 KB TOTAL          | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5895 pcs                                  | Data sheet                       | <a href="#">MEX170x Errata, Clarification</a><br><a href="#">MEX170x Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 1.71 V ~ 3.465 V                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 144-WFBGA (9x9)                           | Series                           | -                                                                                  |
| RAM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 480KB                                     | Program Memory Type              | EEPROM (2 kB), Boot ROM (64 kB)                                                    |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Tray                                      | Package / Case                   | 144-WFBGA                                                                          |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -40°C ~ 85°C                              | Number of I/O                    | 123                                                                                |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                      |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lead free / RoHS Compliant                | Interface                        | ACPI, EBI/EMI, eSPI, I <sup>2</sup> C, LPC, PECL, PS/2, QSPI, SPI                  |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ARM® Cortex®-M4                           | Controller Series                | MEC170x                                                                            |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Keyboard and Embedded Controller          |                                  |                                                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                                 |                                                              |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">MEC1633X-AUE</a><br>Description: IC EMBEDDED CTRL 169LFBGA                   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC1609I-PZP</a><br>Description: MIXED SIGNAL MOBILE EMBEDDED CON            | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC1701Q-C2-TN</a><br>Description: SRAM                                      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC1701H-C1-SZ-TR</a><br>Description: EMBEDDED CONTROLLER 256KB TOTAL        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC1704Q-C2-I/SZ</a><br>Description: EMBEDDED CONTROLLER 480 KB TOTAL        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC1705Q-C2-I/SZ</a><br>Description: EMBEDDED CONTROLLER                     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC1701H-C1-SZ</a><br>Description: EMBEDDED CONTROLLER 256KB TOTAL           | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC6-110-02-L-DV-A</a><br>Description: .635MM RIGHT ANGLE EDGE CARD ASS      | Manufacturers: <a href="#">Samtec, Inc.</a>                  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC2-20-01-L-DV-K-TR</a><br>Description: MEC2 2.0MM EDGE CARD ASSEMBLY       | Manufacturers: <a href="#">Samtec, Inc.</a>                  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC6-110-02-L-DV-A-K</a><br>Description: .635MM RIGHT ANGLE EDGE CARD ASS    | Manufacturers: <a href="#">Samtec, Inc.</a>                  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC6-110-02-L-D-RA1</a><br>Description: .635MM RIGHT ANGLE EDGE CARD ASS     | Manufacturers: <a href="#">Samtec, Inc.</a>                  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC6-110-02-L-DV</a><br>Description: .635MM RIGHT ANGLE EDGE CARD ASS        | Manufacturers: <a href="#">Samtec, Inc.</a>                  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC6-110-02-L-DV-A-LC-K</a><br>Description: .635MM RIGHT ANGLE EDGE CARD ASS | Manufacturers: <a href="#">Samtec, Inc.</a>                  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC1632-AUE</a><br>Description: IC EMBEDDED CTRL                             | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC1703Q-C2-XY</a><br>Description: SRAM                                      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC6-110-02-L-D-RA1-TR</a><br>Description: .635MM RIGHT ANGLE EDGE CARD ASS  | Manufacturers: <a href="#">Samtec, Inc.</a>                  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC6-110-02-L-DV-A-K-TR</a><br>Description: .635MM RIGHT ANGLE EDGE CARD ASS | Manufacturers: <a href="#">Samtec, Inc.</a>                  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC2-08-01-L-DV</a><br>Description: MEC2 2.0MM EDGE CARD ASSEMBLY            | Manufacturers: <a href="#">Samtec, Inc.</a>                  | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC1701Q-C2-SZ</a><br>Description: EMBEDDED CONTROLLER                       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MEC1704Q-C1-I/SZ</a><br>Description: EMBEDDED CONTROLLER 480 KB TOTAL        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |

| Related keywords for MEC1705Q-C1-I/SZ          |                                       |                                        |                        |
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