

AT40K20-2BQI



Part Number: [AT40K20-2BQI](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC FPGA 114 I/O 144LQFP

Data sheet:  [AT40K05,10,20,40\(LV\) Summary](#)  
 [AT40K05,10,20,40\(LV\)](#)

RoHS Status: Contains lead / RoHS non-compliant

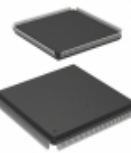
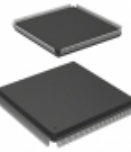
Ship From: Hong Kong

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Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                |                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AT40K20-2BQI                              | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC FPGA 114 I/O 144LQFP                   | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5831 pcs                                  | Data sheet                     | <a href="#">AT40K05,10,20,40(LV) Summary</a><br><a href="#">AT40K05,10,20,40(LV)</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 4.5 V ~ 5.5 V                                                                        |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 8192                                      | Supplier Device Package        | 144-LQFP (20x20)                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | AT40K/KLV                                 | Package / Case                 | 144-LQFP                                                                             |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AT40K202BQI                               | Operating Temperature          | -40°C ~ 85°C (TC)                                                                    |
| Number of Logic Elements/Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1024                                      | Number of I/O                  | 114                                                                                  |
| Number of Gates                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 30000                                     | Mounting Type                  | Surface Mount                                                                        |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | AT40K20                                   |                                |                                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                    |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">AT40K10LV-3EQC</a><br>Description: IC FPGA 3.3V 576 CELL 240QFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K10LV-3DQC</a><br>Description: IC FPGA 3.3V 576 CELL 208QFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20-2BQJ</a><br>Description: IC FPGA 114 I/O 144LQFP        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20-2EQC</a><br>Description: IC FPGA 193 I/O 240QFP         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20-2AJI</a><br>Description: IC FPGA 62 I/O 84PLCC          | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20-2FQC</a><br>Description: IC FPGA 20K GATES 304PQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20-2EQJ</a><br>Description: IC FPGA 193 I/O 240QFP         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K10LV-3DQI</a><br>Description: IC FPGA 161 I/O 208QFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K10LV-3EQI</a><br>Description: IC FPGA 3.3V 576 CELL 240QFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K10LV-3CQI</a><br>Description: IC FPGA 3.3V 576 CELL 160QFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20-2FQI</a><br>Description: IC FPGA 20K GATES 304PQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20-2BGC</a><br>Description: IC FPGA 20K GATES 352BGA       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20-2EQI</a><br>Description: IC FPGA 20K GATES 240QFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20-2CQC</a><br>Description: IC FPGA 20K GATES 160QFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20-2DQC</a><br>Description: IC FPGA 161 I/O 208QFP         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20-2AQC</a><br>Description: IC FPGA 78 I/O 100TQFP         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20-2DQI</a><br>Description: IC FPGA 161 I/O 208QFP         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20-2CQI</a><br>Description: IC FPGA 20K GATES 160QFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20-2AJC</a><br>Description: IC FPGA 62 I/O 84PLCC          | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20-2BGI</a><br>Description: IC FPGA 289 I/O 352BGA         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for AT40K20-2BQI

|                                            |                                   |                                                     |                    |
|--------------------------------------------|-----------------------------------|-----------------------------------------------------|--------------------|
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