

AT40K20AL-1BQU



Part Number: [AT40K20AL-1BQU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC FPGA 114 I/O 144LQFP

Data sheet:  [AT40K05,10,20,40AL](#)

RoHs Status: Lead free / RoHS Compliant

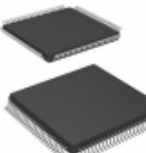
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                 |                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | AT40K20AL-1BQU                            | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC FPGA 114 I/O 144LQFP                   | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4131 pcs                                  | Data sheet                      | <a href="#">AT40K05,10,20,40AL</a>            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                | 3 V ~ 3.6 V                                   |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8192                                      | Supplier Device Package         | 144-LQFP (20x20)                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | AT40KAL                                   | Package / Case                  | 144-LQFP                                      |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | AT40K20AL1BQU                             | Operating Temperature           | 0°C ~ 70°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)                             | Manufacturer Standard Lead Time | 5 Weeks                                       |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Lead free / RoHS Compliant                | Base Part Number                | AT40K20                                       |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">AT40K20LV-3BQC</a><br>Description: IC FPGA 3.3V 1024 CELL 144-LQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20AL-1AJC</a><br>Description: IC FPGA 20K GATES 84PLCC        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20LV-3AJI</a><br>Description: IC FPGA 3.3V 1024 CELL 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="#">AT40K20-2FQI</a><br>Description: IC FPGA 20K GATES 304PQFP         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20AL-1EQC</a><br>Description: IC FPGA 20K GATES 240PQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20AL-1FQC</a><br>Description: IC FPGA 20K GATES 304PQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20LV-3BGC</a><br>Description: IC FPGA 3.3V 1024 CELL 352-BGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20LV-3AQC</a><br>Description: IC FPGA 3.3V 1024 CELL 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20AL-1AQC</a><br>Description: IC FPGA 20K GATES 100TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20AL-1BQC</a><br>Description: IC FPGA 114 I/O 144LQFP         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20LV-3AJC</a><br>Description: IC FPGA 3.3V 1024 CELL 84-PLCC  | 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="#">AT40K20AL-1DQI</a><br>Description: IC FPGA 20K GATES 208QFP        | 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="#">AT40K20AL-1BGC</a><br>Description: IC FPGA 20K GATES 352BGA        | 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="#">AT40K20-2EQC</a><br>Description: IC FPGA 193 I/O 240QFP            | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20AL-1CQC</a><br>Description: IC FPGA 20K GATES 160QFP        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT40K20LV-3BGI</a><br>Description: IC FPGA 3.3V 1024 CELL 352-BGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

|                                              |                                     |                                        |                      |
|----------------------------------------------|-------------------------------------|----------------------------------------|----------------------|
| Related keywords for <b>AT40K20AL-1BQU</b>   |                                     |                                        |                      |
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