

AS4C256M8D3-12BCN





**Part Number:** [AS4C256M8D3-12BCN](#)

**Manufacturer:** [Alliance Memory, Inc.](#)

**Description:** IC DRAM 2G PARALLEL 78FBGA

**Data sheet:**  [AS4C256M8D3](#)

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

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                  |                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                               | AS4C256M8D3-12BCN                         | Manufacturer                     | <a href="#">Alliance Memory, Inc.</a>                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC DRAM 2G PARALLEL 78FBGA                | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 20858 pcs                                 | Data sheet                       | <a href="#">AS4C256M8D3</a>                                                 |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Write Cycle Time - Word, Page    | 15ns                                                                        |
| Voltage - Supply                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.425 V ~ 1.575 V                         | Technology                       | SDRAM - DDR3                                                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 78-FBGA (8x10.5)                          | Series                           | -                                                                           |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Tray                                      | Package / Case                   | 78-TFBGA                                                                    |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1450-1100                                 | Operating Temperature            | 0°C ~ 90°C (TC)                                                             |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                               |
| Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Volatile                                  | Memory Size                      | 2Gb (256M x 8)                                                              |
| Memory Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Parallel                                  | Memory Format                    | DRAM                                                                        |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                | Detailed Description             | SDRAM - DDR3 Memory IC 2Gb (256M x 8) Parallel 800MHz 20ns 78-FBGA (8x10.5) |
| Clock Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 800MHz                                    | Access Time                      | 20ns                                                                        |
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|  | Part#: <a href="#">AS4C256M8D2-25BCN</a><br>Description: IC DRAM 2G PARALLEL 60FBGA    | Manufacturers: <a href="#">Alliance Memory, Inc.</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AS4C256M8D2-25BIN</a><br>Description: IC DRAM 2G PARALLEL 60FBGA    | Manufacturers: <a href="#">Alliance Memory, Inc.</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AS4C256M8D3A-12BANTR</a><br>Description: IC DRAM 2G PARALLEL 78FBGA | Manufacturers: <a href="#">Alliance Memory, Inc.</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">AS4C256M8D3A-12BCN</a><br>Description: IC DRAM 2G PARALLEL 78FBGA   | Manufacturers: <a href="#">Alliance Memory, Inc.</a> | <div>RFQ</div> |
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