

MT46H32M16LFBF-6 AIT:C



**Part Number:** [MT46H32M16LFBF-6 AIT:C](#)

**Manufacturer:** [Micron Technology](#)

**Description:** IC DRAM 512M PARALLEL 60VFBGA

**Data sheet:**  [MT46H16M32LF\(LG\)](#), [MT46H32M16LF](#)

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MT46H32M16LFBF-6 AIT:C                             | Manufacturer                     | <a href="#">Micron Technology</a>                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC DRAM 512M PARALLEL 60VFBGA                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 18404 pcs                                          | Data sheet                       | <a href="#">MT46H16M32LF(LG)</a> , <a href="#">MT46H32M16LF</a>                      |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>          | Write Cycle Time - Word, Page    | 15ns                                                                                 |
| Voltage - Supply                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.7 V ~ 1.95 V                                     | Technology                       | SDRAM - Mobile LPDDR                                                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                | 60-VFBGA (8x9)                                     | Series                           | -                                                                                    |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Tray                                               | Package / Case                   | 60-VFBGA                                                                             |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MT46H32M16LFBF-6 AIT:C-ND<br>MT46H32M16LFBF-6AIT:C | Operating Temperature            | -40°C ~ 85°C (TA)                                                                    |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Surface Mount                                      | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                        |
| Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Volatile                                           | Memory Size                      | 512Mb (32M x 16)                                                                     |
| Memory Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Parallel                                           | Memory Format                    | DRAM                                                                                 |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lead free / RoHS Compliant                         | Detailed Description             | SDRAM - Mobile LPDDR Memory IC 512Mb (32M x 16) Parallel 166MHz 5.0ns 60-VFBGA (8x9) |
| Clock Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 166MHz                                             | Base Part Number                 | MT46H32M16                                                                           |
| Access Time                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5.0ns                                              |                                  |                                                                                      |
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