

IS46DR16640C-3DBLA1-TR



Long-term Support  
World Class Quality

**Part Number:** [IS46DR16640C-3DBLA1-TR](#)

**Manufacturer:** [ISSI \(Integrated Silicon Solution, Inc.\)](#)

**Description:** IC DRAM 1G PARALLEL 333MHZ

**Data sheet:**  [IS4xDR81280C, IS4xDR16640C](#)

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

**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |                                 |                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|-------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IS46DR16640C-3DBLA1-TR                    | Manufacturer                    | <a href="#">ISSI (Integrated Silicon Solution, Inc.)</a>                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC DRAM 1G PARALLEL 333MHZ                | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 14051 pcs                                 | Data sheet                      | <a href="#">IS4xDR81280C, IS4xDR16640C</a>                                    |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a> | Write Cycle Time - Word, Page   | 15ns                                                                          |
| Voltage - Supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.7 V ~ 1.9 V                             | Technology                      | SDRAM - DDR2                                                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 84-TWBGA (8x12.5)                         | Series                          | -                                                                             |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Tape & Reel (TR)                          | Package / Case                  | 84-TFBGA                                                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -40°C ~ 85°C (TA)                         | Mounting Type                   | Surface Mount                                                                 |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 (168 Hours)                             | Memory Type                     | Volatile                                                                      |
| Memory Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1Gb (64M x 16)                            | Memory Interface                | Parallel                                                                      |
| Memory Format                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DRAM                                      | Manufacturer Standard Lead Time | 8 Weeks                                                                       |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Lead free / RoHS Compliant                | Detailed Description            | SDRAM - DDR2 Memory IC 1Gb (64M x 16) Parallel 333MHz 450ps 84-TWBGA (8x12.5) |
| Clock Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 333MHz                                    | Access Time                     | 450ps                                                                         |
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| RELATED PRODUCTS                                                                                                           |                                                                                            |                                                                         |                     |
|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------|
|  Long-term Support<br>World Class Quality | Part#: <a href="#">IS46DR81280B-3DBLA1</a><br>Description: IC DRAM 1G PARALLEL 60TWBGA     | Manufacturers: <a href="#">ISSI (Integrated Silicon Solution, Inc.)</a> | <a href="#">RFQ</a> |
|  Long-term Support<br>World Class Quality | Part#: <a href="#">IS46DR81280B-25DBLA1-TR</a><br>Description: IC DRAM 1G PARALLEL 60TWBGA | Manufacturers: <a href="#">ISSI (Integrated Silicon Solution, Inc.)</a> | <a href="#">RFQ</a> |
|                                          | Part#: <a href="#">IS46DR16640B-3DBLA1</a><br>Description: IC DRAM 1G PARALLEL 84TWBGA     | Manufacturers: <a href="#">ISSI (Integrated Silicon Solution, Inc.)</a> | <a href="#">RFQ</a> |
|                                          | Part#: <a href="#">IS46DR16640C-3DBLA2</a><br>Description: IC DRAM 1G PARALLEL 333MHZ      | Manufacturers: <a href="#">ISSI (Integrated Silicon Solution, Inc.)</a> | <a href="#">RFQ</a> |
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|                                          | Part#: <a href="#">IS46DR16640B-3DBLA2-TR</a><br>Description: IC DRAM 1G PARALLEL 84TWBGA  | Manufacturers: <a href="#">ISSI (Integrated Silicon Solution, Inc.)</a> | <a href="#">RFQ</a> |
|                                          | Part#: <a href="#">IS46DR16640B-3DBLA1-TR</a><br>Description: IC DRAM 1G PARALLEL 84TWBGA  | Manufacturers: <a href="#">ISSI (Integrated Silicon Solution, Inc.)</a> | <a href="#">RFQ</a> |
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