

IS42S32160D-6BI-TR



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**Part Number:** [IS42S32160D-6BI-TR](#)

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

**Description:** IC DRAM 512M PARALLEL 90TFBGA

**Data sheet:**  [IS42/45x86400D/16320D/32160D](#)

**RoHs Status:** Contains lead / RoHS non-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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | IS42S32160D-6BI-TR                                                     | Manufacturer                   | <a href="#">ISSI (Integrated Silicon Solution, Inc.)</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | IC DRAM 512M PARALLEL 90TFBGA                                          | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5058 pcs                                                               | Data sheet                     | <a href="#">IS42/45x86400D/16320D/32160D</a>             |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <a href="#">Integrated Circuits (ICs)</a>                              | Write Cycle Time - Word, Page  | -                                                        |
| Voltage - Supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 V ~ 3.6 V                                                            | Technology                     | SDRAM                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 90-TFBGA (8x13)                                                        | Series                         | -                                                        |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Tape & Reel (TR)                                                       | Package / Case                 | 90-TFBGA                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -40°C ~ 85°C (TA)                                                      | Mounting Type                  | Surface Mount                                            |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 (168 Hours)                                                          | Memory Type                    | Volatile                                                 |
| Memory Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 512Mb (16M x 32)                                                       | Memory Interface               | Parallel                                                 |
| Memory Format                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DRAM                                                                   | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                       |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SDRAM Memory IC 512Mb (16M x 32) Parallel 166MHz 5.4ns 90-TFBGA (8x13) | Clock Frequency                | 166MHz                                                   |
| Access Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5.4ns                                                                  |                                |                                                          |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                                         |                     |
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