

70V659S12BF





**Part Number:** 70V659S12BF

**Manufacturer:** IDT (Integrated Device Technology)

**Description:** IC SRAM 4.5M PARALLEL 208CABGA

**Data sheet:**  [IDT Suffixes](#)  
 [IDT70V659/58/57S](#)

**RoHs Status:** Contains lead / RoHS non-compliant

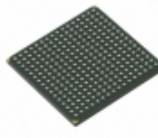
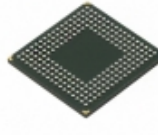
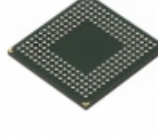
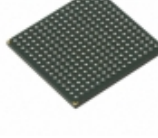
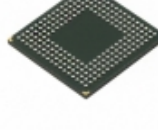
**Ship From:** Hong Kong

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 70V659S12BF                                                                                | Manufacturer <a href="#">IDT (Integrated Device Technology)</a>             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC SRAM 4.5M PARALLEL 208CABGA                                                             | Lead Free Status / RoHS Status Contains lead / RoHS non-compliant           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 911 pcs                                                                                    | Data sheet <a href="#">IDT Suffixes</a><br><a href="#">IDT70V659/58/57S</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>                                                  | Write Cycle Time - Word, Page 12ns                                          |
| Voltage - Supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3.15 V ~ 3.45 V                                                                            | Technology SRAM - Dual Port, Asynchronous                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 208-CABGA (15x15)                                                                          | Series -                                                                    |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Tray                                                                                       | Package / Case 208-LFBGA                                                    |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IDT70V659S12BF<br>IDT70V659S12BF-ND                                                        | Operating Temperature 0°C ~ 70°C (TA)                                       |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Surface Mount                                                                              | Moisture Sensitivity Level (MSL) 3 (168 Hours)                              |
| Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Volatile                                                                                   | Memory Size 4.5Mb (128K x 36)                                               |
| Memory Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Parallel                                                                                   | Memory Format SRAM                                                          |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10 Weeks                                                                                   | Lead Free Status / RoHS Status Contains lead / RoHS non-compliant           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SRAM - Dual Port, Asynchronous Memory IC 4.5Mb (128K x 36) Parallel 12ns 208-CABGA (15x15) | Base Part Number IDT70V659                                                  |
| Access Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12ns                                                                                       |                                                                             |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                                                          |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|  | Part#: <a href="#">70V659S12DRI</a><br>Description: IC SRAM 4.5M PARALLEL 208PQFP    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S12DRGI</a><br>Description: IC SRAM 4.5M PARALLEL 208PQFP   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S10DR</a><br>Description: IC SRAM 4.5M PARALLEL 208PQFP     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S12DR</a><br>Description: IC SRAM 4.5M PARALLEL 208PQFP     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S12BCI</a><br>Description: IC SRAM 4.5M PARALLEL 256CABGA   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S12BFI</a><br>Description: IC SRAM 4.5M PARALLEL 208CABGA   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S10BFG</a><br>Description: IC SRAM 4.5M PARALLEL 208FPBGA   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S12BCGI</a><br>Description: IC SRAM 4.5M PARALLEL 256CABGA  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S12BC8</a><br>Description: IC SRAM 4.5M PARALLEL 256CABGA   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S12BFGI</a><br>Description: IC SRAM 4.5M PARALLEL 208FPBGA  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S12BFI8</a><br>Description: IC SRAM 4.5M PARALLEL 208CABGA  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S12BF8</a><br>Description: IC SRAM 4.5M PARALLEL 208CABGA   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S10BFG8</a><br>Description: IC SRAM 4.5M PARALLEL 208FPBGA  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S12BCI8</a><br>Description: IC SRAM 4.5M PARALLEL 256CABGA  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S15BC</a><br>Description: IC SRAM 4.5M PARALLEL 256CABGA    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S12BC</a><br>Description: IC SRAM 4.5M PARALLEL 256CABGA    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S12DRGI8</a><br>Description: IC SRAM 4.5M PARALLEL 208PQFP  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S12BFGI8</a><br>Description: IC SRAM 4.5M PARALLEL 208FPBGA | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S10BF8</a><br>Description: IC SRAM 4.5M PARALLEL 208CABGA   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |
|  | Part#: <a href="#">70V659S10DRG</a><br>Description: IC SRAM 4.5M PARALLEL 208PQFP    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a><br><a href="#">RFQ</a> |

| Related keywords for 70V659S12BF               |                         |                                                |                                       |
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| 70V659S12BF download datasheet                 | 70V659S12BF datasheet   | 70V659S12BF stock                              | buy 70V659S12BF                       |
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|                                                |                         |                                                | 70V659S12BF                           |
| Integrated Device Technology (IDT) 70V659S12BF |                         |                                                |                                       |