



Image may be representation.  
See specifications for product details.

### 8T49N008A-048NLGI

Part Number: **8T49N008A-048NLGI**  
 Product Description: IC CLK GEN LVDS/LVPECL 40VFQFN  
 RoHs Status: Lead free / RoHS Compliant  
 Datasheets: [8T49N008A-048NLGI.pdf](#)

Manufacturer/Brand: IDT (Integrated Device Technology)  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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#### Product details

|   |   |  |                                    |
|---|---|--|------------------------------------|
| <b>Part Number</b>                      | 8T49N008A-048NLGI                               | <b>Manufacturer</b>                    | IDT (Integrated Device Technology) |
| <b>Description</b>                      | IC CLK GEN LVDS/LVPECL 40VFQFN                  | <b>Lead Free Status / RoHS Status</b>  | Lead free / RoHS Compliant         |
| <b>Data sheet</b>                       | <a href="#">8T49N008A-048NLGI.pdf</a>           |  |                                    |
| <b>Voltage - Supply</b>                 | 2.375 V ~ 3.465 V                               | <b>Supplier Device Package</b>         | 40-VQFN (6x6)                      |
| <b>Series</b>                           | FemtoClock® NG                                  | <b>Ratio - Input:Output</b>            | 1:8                                |
| <b>Packaging</b>                        | Tray  | <b>Package / Case</b>                  | 40-VFQFN Exposed Pad               |
| <b>PLL</b>                              | Yes with Bypass                                 | <b>Output</b>                          | LVPECL                             |
| <b>Other Names</b>                      | IDT8T49N008A-048NLGI<br>IDT8T49N008A-048NLGI-ND | <b>Operating Temperature</b>           | -40°C ~ 85°C                       |
| <b>Number of Circuits</b>               | 1   | <b>Mounting Type</b>                   | Surface Mount                      |
| <b>Moisture Sensitivity Level (MSL)</b> | 3 (168 Hours)                                   | <b>Manufacturer Standard Lead Time</b> | 12 Weeks                           |
| <b>Lead Free Status / RoHS Status</b>   | Lead free / RoHS Compliant                      | <b>Input</b>                           | Crystal                            |
| <b>Frequency - Max</b>                  | 156.25MHz                                       | <b>Divider/Multiplier</b>              | Yes/No                             |
| <b>Differential - Input:Output</b>      | No/Yes  |  |                                    |

#### Related Products

|   |   |
|---|---|
| <p><b>8T49N008A-050NLGI8</b><br/>                 Manufacturers: IDT (Integrated Device Technology)<br/>                 Description: IC CLK GEN LVDS/LVPECL 40VFQFN<br/>                 Download: <a href="#">8T49N008A-050NLGI8.pdf</a></p> <p><a href="#">RFQ</a></p> | <p><b>8T49N008A-050NLGI</b><br/>                 Manufacturers: IDT (Integrated Device Technology)<br/>                 Description: IC CLK GEN LVDS/LVPECL 40VFQFN<br/>                 Download: <a href="#">8T49N008A-050NLGI.pdf</a></p> <p><a href="#">RFQ</a></p>   |
| <p><b>8T49N008A-052NLGI</b><br/>                 Manufacturers: IDT (Integrated Device Technology)<br/>                 Description: IC CLK GENERATOR LVPECL<br/>                 Download: <a href="#">8T49N008A-052NLGI.pdf</a></p> <p><a href="#">RFQ</a></p>          | <p><b>8T49N008A-051NLGI</b><br/>                 Manufacturers: IDT (Integrated Device Technology)<br/>                 Description: IC CLK GEN LVDS/LVPECL 40VFQFN<br/>                 Download: <a href="#">8T49N008A-051NLGI.pdf</a></p> <p><a href="#">RFQ</a></p>   |
| <p><b>8T49N008A-051NLGI8</b><br/>                 Manufacturers: IDT (Integrated Device Technology)<br/>                 Description: IC CLK GEN LVDS/LVPECL 40VFQFN<br/>                 Download: <a href="#">8T49N008A-051NLGI8.pdf</a></p> <p><a href="#">RFQ</a></p> | <p><b>8T49N008A-046NLGI8</b><br/>                 Manufacturers: IDT (Integrated Device Technology)<br/>                 Description: IC CLK BUFFER 1:8 2GHZ 40QFN<br/>                 Download: <a href="#">8T49N008A-046NLGI8.pdf</a></p> <p><a href="#">RFQ</a></p>   |
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