

8T49N222B-000NLGI8



Integrated Device Technology

Part Number: 8T49N222B-000NLGI8

Manufacturer IDT (Integrated Device Technology)

Description IC TRANSLATOR UNIV FREQ 48VFQFN

Data sheet:

PDF

Timing Fabric Overview

PDF

FemtoClock NG UFT Order Guide

PDF

IDT8T49N222B-zzzNLGI(8)

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                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8T49N222B-000NLGI8                        | Manufacturer                     | IDT (Integrated Device Technology)                                                                                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC TRANSLATOR UNIV FREQ 48VFQFN           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2746 pcs                                  | Data sheet                       | <a href="#">Timing Fabric Overview</a><br><a href="#">FemtoClock NG UFT Order Guide</a><br><a href="#">IDT8T49N222B-zzzNLGI(8)</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 2.375 V ~ 3.465 V                                                                                                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                              | 48-VQFN (7x7)                             | Series                           | FemtoClock® NG                                                                                                                     |
| Ratio - Input:Output                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3:2                                       | Packaging                        | Tape & Reel (TR)                                                                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                       | 48-VFQFN Exposed Pad                      | PLL                              | Yes with Bypass                                                                                                                    |
| Output                                                                                                                                                                                                                                                                                                                                                                                                                                               | LVPECL                                    | Other Names                      | IDT8T49N222B-000NLGI8<br>IDT8T49N222B-000NLGI8-ND                                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                | -40°C ~ 85°C                              | Number of Circuits               | 1                                                                                                                                  |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                        | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                      |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                      | 12 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                         |
| Input                                                                                                                                                                                                                                                                                                                                                                                                                                                | HCSL, LVDS, LVHSTL, LVPECL, Crystal       | Frequency - Max                  | 156.25MHz                                                                                                                          |
| Divider/Multiplier                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes/No                                    | Differential - Input:Output      | Yes/Yes                                                                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                           |                                                                   |                |
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|  | Part#: <a href="#">8T49N222B-000NLGI</a><br>Description: IC TRANSLATOR UNIV FREQ 48VFQFN  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">8T49N203A-024NLGI8</a><br>Description: IC TRANSLATOR UNIV FREQ 40VFQFN | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">8T49N203A-025NLGI</a><br>Description: IC TRANSLATOR UNIV FREQ 40VFQFN  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">8T49N222B-003NLGI</a><br>Description: IC TRANSLATOR UNIV FREQ 48VFQFN  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">8T49N222B-002NLGI</a><br>Description: IC TRANSLATOR UNIV FREQ 48VFQFN  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
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