

MPC9600AE



Part Number: [MPC9600AE](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC PLL CLOCK DRIVER 1:21 48-LQFP

Data sheet:  [MPC9600](#)

RoHs Status: Lead free / RoHS Compliant

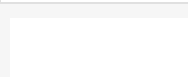
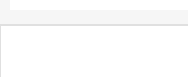
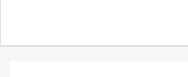
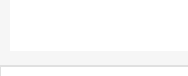
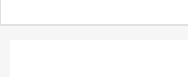
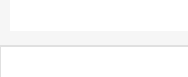
Ship From: Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                   |                                  |                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MPC9600AE                                                         | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC PLL CLOCK DRIVER 1:21 48-LQFP                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4031 pcs                                                          | Data sheet                       | <a href="#">MPC9600</a>                        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a>                         | Voltage - Supply                 | 2.375 V ~ 3.465 V                              |
| Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Clock Driver, Fanout Distribution, Multiplexer, Zero Delay Buffer | Supplier Device Package          | 48-LQFP (7x7)                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                 | Ratio - Input:Output             | 2:21                                           |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tray                                                              | Package / Case                   | 48-LQFP                                        |
| PLL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes with Bypass                                                   | Output                           | LVC MOS                                        |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -40°C ~ 85°C                                                      | Number of Circuits               | 1                                              |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Surface Mount                                                     | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lead free / RoHS Compliant                                        | Input                            | LVC MOS, LVPECL                                |
| Frequency - Max                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 200MHz                                                            | Divider/Multiplier               | Yes/Yes                                        |
| Differential - Input:Output                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Yes/No                                                            | Base Part Number                 | MPC9600                                        |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                                   |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MPC9600AE</a><br>Description: IC PLL CLK DRIVER LV 48-LQFP       | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC9456ACR2</a><br>Description: IC CLK BUFFER 1:10 250MHZ 32TQFP | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC9456FA</a><br>Description: IC CLK BUFFER 1:10 250MHZ 32LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">MPC961CACR2</a><br>Description: IC BUFFER ZD 1:18 PLL 32-LQFP    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC9608FA</a><br>Description: IC CLOCK BUFFER 1:10 32-LQFP       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">MPC9449FAR2</a><br>Description: IC CLK BUFFER 3:15 200MHZ 52LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">MPC9608AC</a><br>Description: IC CLOCK BUFFER 1:10 32-LQFP       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">MPC9456AC</a><br>Description: IC CLK BUFFER 1:10 250MHZ 32TQFP   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC94551EFR2</a><br>Description: IC CLK BUFFER 1:4 160MHZ 8SOIC  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC9449AER2</a><br>Description: IC CLK BUFFER 3:15 200MHZ 52TQFP | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC961CFA</a><br>Description: IC ZDB CMOS LV 1:18 32-LQFP        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">MPC9608AC</a><br>Description: IC CLOCK BUFFER ZD 1:10 32-LQFP    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC9608ACR2</a><br>Description: IC CLOCK BUFFER ZD 1:10 32-LQFP  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC961CAC</a><br>Description: IC BUFFER ZD 1:18 PLL 32-LQFP      | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC9456AC</a><br>Description: IC CLK BUFFER 1:10 250MHZ 32LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">MPC9600FA</a><br>Description: IC CLOCK DRVR PLL LV 1:21 48LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">MPC94551EF</a><br>Description: IC CLK BUFFER 1:4 160MHZ 8SOIC    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC961PAC</a><br>Description: IC BUFFER ZD 1:18 PLL 32-LQFP      | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC9449FA</a><br>Description: IC CLK BUFFER 3:15 200MHZ 52LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">MPC9600AER2</a><br>Description: IC PLL CLK DRIVER LV 48-LQFP     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |

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