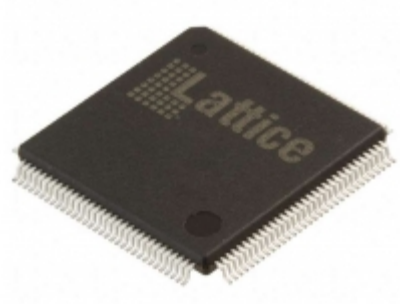


ISPLSI 1048E-50LTN



Part Number: ISPLSI 1048E-50LTN

Manufacturer: Lattice Semiconductor

Description: IC CPLD 192MC 20NS 128TQFP

Data sheet:  Package Diagrams

 Leaded Pkg PCB Layout Guide

 ispLSI 1048E

RoHs Status: Lead free / RoHS Compliant

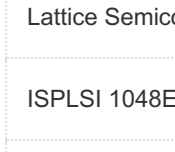
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
Buy ISPLSI 1048E-50LTN with confidence from  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                          |                            |                                 |                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|-----------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                | ISPLSI 1048E-50LTN         | Manufacturer                    | Lattice Semiconductor                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                | IC CPLD 192MC 20NS 128TQFP | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                         | 3032 pcs                   | Data sheet                      | Package Diagrams<br>Leaded Pkg PCB Layout Guide<br>ispLSI 1048E |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                   | Integrated Circuits (ICs)  | Voltage Supply - Internal       | 4.75 V ~ 5.25 V                                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                    | 128-TQFP (14x14)           | Series                          | ispLSI® 1000E                                                   |
| Programmable Type                                                                                                                                                                                                                                                                                                                                                                                                          | In System Programmable     | Packaging                       | Tray                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                             | 128-LQFP                   | Other Names                     | ISPLSI 1048E-50LTN-ND<br>ISPLSI1048E-50LTN                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                      | 0°C ~ 70°C (TA)            | Number of Macrocells            | 192                                                             |
| Number of Logic Elements/Blocks                                                                                                                                                                                                                                                                                                                                                                                            | 48                         | Number of I/O                   | 96                                                              |
| Number of Gates                                                                                                                                                                                                                                                                                                                                                                                                            | 8000                       | Mounting Type                   | Surface Mount                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                           | 3 (168 Hours)              | Manufacturer Standard Lead Time | 9 Weeks                                                         |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                             | Lead free / RoHS Compliant | Delay Time tpd(1) Max           | 20.0ns                                                          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                           | ISPLSI 1048                |                                 |                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                        |                                      |     |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------|-----|
|  | Part#: ISPLSI 1048E-70LQNI<br>Description: IC CPLD 192MC 15NS 128QFP   | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-125LQN<br>Description: IC CPLD 192MC 7.5NS 128QFP  | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-70LQN<br>Description: IC CPLD 192MC 15NS 128QFP    | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-50LQ<br>Description: IC CPLD 192MC 20NS 128QFP     | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-50LQI<br>Description: IC CPLD 192MC 20NS 128QFP    | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-100LTN<br>Description: IC CPLD 192MC 10NS 128TQFP  | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-70LTN<br>Description: IC CPLD 192MC 15NS 128TQFP   | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-125LT<br>Description: IC CPLD 192MC 7.5NS 128TQFP  | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-100LT<br>Description: IC CPLD 192MC 10NS 128TQFP   | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-90LT<br>Description: IC CPLD 192MC 10NS 128TQFP    | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-50LT<br>Description: IC CPLD 192MC 20NS 128TQFP    | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-125LTN<br>Description: IC CPLD 192MC 7.5NS 128TQFP | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-90LQ<br>Description: IC CPLD 192MC 10NS 128QFP     | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-125LQ<br>Description: IC CPLD 192MC 7.5NS 128QFP   | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-50LQN<br>Description: IC CPLD 192MC 20NS 128QFP    | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-70LT<br>Description: IC CPLD 192MC 15NS 128TQFP    | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-70LQI<br>Description: IC CPLD 192MC 15NS 128QFP    | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-70LQ<br>Description: IC CPLD 192MC 15NS 128QFP     | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-90LTN<br>Description: IC CPLD 192MC 10NS 128TQFP   | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ISPLSI 1048E-90LQN<br>Description: IC CPLD 192MC 10NS 128QFP    | Manufacturers: Lattice Semiconductor | RFQ |

| Related keywords for ISPLSI 1048E-50LTN  |                                                      |                             |                          |
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