

ISPLSI 1048C-50LQI



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**Part Number:** ISPLSI 1048C-50LQI

**Manufacturer:** Lattice Semiconductor

**Description:** IC CPLD 192MC 24NS 128QFP

**Data sheet:**  [Package Diagrams](#)  
 [1048C Device](#)  
 [Leaded Pkg PCB Layout Guide](#)

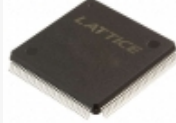
**RoHs Status:** Contains lead / RoHS non-compliant

**Ship From:** Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |                                |                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                | ISPLSI 1048C-50LQI                        | Manufacturer                   | <a href="#">Lattice Semiconductor</a>                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                | IC CPLD 192MC 24NS 128QFP                 | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                         | 4854 pcs                                  | Data sheet                     | <a href="#">Package Diagrams</a><br><a href="#">1048C Device</a><br><a href="#">Leaded Pkg PCB Layout Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a> | Voltage Supply - Internal      | 4.5 V ~ 5.5 V                                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                    | 128-PQFP (28x28)                          | Series                         | ispLSI® 1000                                                                                                    |
| Programmable Type                                                                                                                                                                                                                                                                                                                                                                                                          | In System Programmable                    | Packaging                      | Tray                                                                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                             | 128-BQFP                                  | Other Names                    | ISPLSI 1048C-50LQI-ND<br>ISPLSI1048C-50LQI                                                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                      | -40°C ~ 85°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)                             | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                                              |
| Delay Time tpd(1) Max                                                                                                                                                                                                                                                                                                                                                                                                      | 24.0ns                                    | Base Part Number               | ISPLSI 1048                                                                                                     |
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|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">ISPLSI 1048C-70LQ</a><br>Description: IC CPLD 192MC 18NS 128QFP        | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISPLSI 1032EA-200LT100</a><br>Description: IC CPLD 128MC 4.5NS 100TQFP | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISPLSI 1048E-125LTN</a><br>Description: IC CPLD 192MC 7.5NS 128TQFP    | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISPLSI 1048E-100LT</a><br>Description: IC CPLD 192MC 10NS 128TQFP      | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ISPLSI 1048E-125LQ</a><br>Description: IC CPLD 192MC 7.5NS 128QFP      | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISPLSI 1032E-70LTN</a><br>Description: IC CPLD 128MC 15NS 100TQFP      | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ISPLSI 1032EA-170LT100</a><br>Description: IC CPLD 128MC 5NS 100TQFP   | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISPLSI 1032EA-100LT100</a><br>Description: IC CPLD 128MC 10NS 100TQFP  | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISPLSI 1048-50LQI</a><br>Description: IC CPLD 192MC 24NS 120QFP        | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISPLSI 1032EA-125LT100</a><br>Description: IC CPLD 128MC 7.5NS 100TQFP | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISPLSI 1048E-50LQ</a><br>Description: IC CPLD 192MC 20NS 128QFP        | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISPLSI 1048E-125LQN</a><br>Description: IC CPLD 192MC 7.5NS 128QFP     | Manufacturers: <a href="#">Lattice Semiconductor</a> | <div>RFQ</div> |

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