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| --- | --- | --- |
| **New original Integrated Circuits XC95144XL-10CS144C** | | |
| **Boyad Part Number** | XC95144XL-10CS144C-ND |  |
| **manufacturer** | **[AMD Xilinx](https://www.digikey.cn/zh/supplier-centers/xilinx" \t "https://www.digikey.cn/zh/products/detail/amd-xilinx/XC95144XL-10CS144C/_blank)** |  |
| **Manufacturer product number** | XC95144XL-10CS144C |  |
| **describe** | IC CPLD 144MC 10NS 144CSBGA |  |
| **Manufacturer standard lead time** | 52 weeks | |
| **Customer Internal Part Number** |  | |
| **Specifications** | **[Specifications](https://www.xilinx.com/support/documentation/data_sheets/ds056.pdf" \t "https://www.digikey.cn/zh/products/detail/amd-xilinx/XC95144XL-10CS144C/_blank)** | |

**product properties**

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| **TYPE** | **DESCRIBE** | **CHOOSE** |
| **category** | **[Integrated Circuit (IC)](https://www.digikey.cn/zh/products/category/%E9%9B%86%E6%88%90%E7%94%B5%E8%B7%AF-ic/32)**  **[Embedded - CPLD (Complex Programmable Logic Device)](https://www.digikey.cn/zh/products/filter/%E5%B5%8C%E5%85%A5%E5%BC%8F-cpld-%E5%A4%8D%E6%9D%82%E5%8F%AF%E7%BC%96%E7%A8%8B%E9%80%BB%E8%BE%91%E5%99%A8%E4%BB%B6/695)** |  |
| **manufacturer** | AMD Xilinx |  |
| **series** | **[XC9500XL](https://www.digikey.cn/zh/products/result?s=N4IgjCBcoLQCxVAYygMwIYBsDOBTANCAG4B2aWehA9lANrhgDscAHCALqEAOALlCCAC+woA)** |  |
| **Package** | Bulk |  |
| **Product Status** | in stock |  |
| **Programmable type** | In-system programmable (minimum 10,000 program/erase cycles) |  |
| **Delay time tpd(1) max** | 10ns |  |
| **Supply Voltage - Internal** | 3V ~ 3.6V |  |
| **Number of logic elements/blocks** | 8 |  |
| **number of macrocells** | 144 |  |
| **Gate number** | 3200 |  |
| **I/O count** | 117 |  |
| **Operating temperature** | 0°C ~ 70°C (TA) |  |
| **installation type** | Surface Mount Type |  |
| **Package/Enclosure** | 144-TFBGA, CSPBGA |  |
| **Supplier Device Packaging** | 144-LCSBGA (12x12) |  |
| **Basic product number** | **[XC95144](https://www.digikey.cn/zh/products/base-product/amd-xilinx/122/XC95144/15600)** |  |

report a bug

New Parametric Search

**Media and Downloads**

|  |  |
| --- | --- |
| **RESOURCE TYPE** | **LINK** |
| **Specifications** | **[XC95144XL Series](https://www.xilinx.com/support/documentation/data_sheets/ds056.pdf" \t "https://www.digikey.cn/zh/products/detail/amd-xilinx/XC95144XL-10CS144C/_blank)**  **[XC9500XL Family](https://docs.xilinx.com/v/u/en-US/ds054" \t "https://www.digikey.cn/zh/products/detail/amd-xilinx/XC95144XL-10CS144C/_blank)** |
| **Environmental information** | **[Xiliinx RoHS Certificate](https://docs.xilinx.com/r/en-US/ds988-kr260-starter-kit/RoHS-Compliance" \t "https://www.digikey.cn/zh/products/detail/amd-xilinx/XC95144XL-10CS144C/_blank)**  **[Xilinx REACH211 Cert](https://docs.xilinx.com/r/deeplink/unresolved?ft:locale=en-US&url=reach-position-statement" \t "https://www.digikey.cn/zh/products/detail/amd-xilinx/XC95144XL-10CS144C/_blank)** |
| **PCN Assembly/Source** | **[Mult Dev LeadFrame Chg 29/Oct/2018](https://media.digikey.com/pdf/PCNs/Xilinx/XCN18024(v1.0).pdf" \t "https://www.digikey.cn/zh/products/detail/amd-xilinx/XC95144XL-10CS144C/_blank)** |
| **HTML Specifications** | **[XC95144XL Series](https://www.digikey.cn/zh/htmldatasheets/production/363850/0/0/1/xc95144xl-10cs144i.html?site=CN&lang=zh&cur=CNY" \t "https://www.digikey.cn/zh/products/detail/amd-xilinx/XC95144XL-10CS144C/_blank)** |

**Environment and Export Classification**

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| --- | --- |
| **ATTRIBUTES** | **DESCRIBE** |
| **RoHS status** | Not RoHS compliant |
| **Moisture Sensitivity Level (MSL)** | 3 (168 hours) |
| **REACH status** | Non-REACH products |
| **ECCN** | EAR99 |
| **HTSUS** | 8542.39.0001 |