



Xilinx

### XC2C512-7FT256I

Part Number: XC2C512-7FT256I  
 Manufacturer/Brand: Xilinx  
 Product description: IC CPLD 512MC 7.1NS 256BGA  
 Datasheets: [1.XC2C512-7FT256I.pdf](#)  
[2.XC2C512-7FT256I.pdf](#)  
 RoHs Status:  Contains lead / RoHS non-compliant  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.



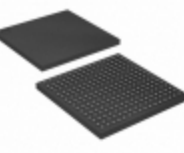



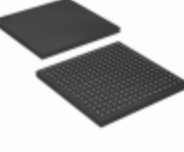
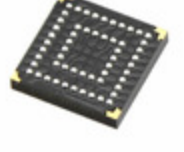

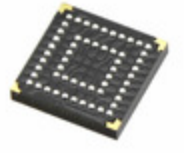

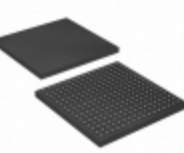
#### Specifications of XC2C512-7FT256I

|                                  |  |
|----------------------------------|--|
| PART NUMBER                      | XC2C512-7FT256I  |
| MANUFACTURER                     | Xilinx   |
| DESCRIPTION                      | IC CPLD 512MC 7.1NS 256BGA   |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant   |
| DATA SHEET                       | <a href="#">1.XC2C512-7FT256I.pdf</a><br><a href="#">2.XC2C512-7FT256I.pdf</a> |
| VOLTAGE SUPPLY - INTERNAL        | 1.7 V ~ 1.9 V  |
| SUPPLIER DEVICE PACKAGE          | 256-FTBGA (17x17)  |
| SERIES                           | CoolRunner II  |
| PROGRAMMABLE TYPE                | In System Programmable   |
| PACKAGING                        | Tray   |
| PACKAGE / CASE                   | 256-LBGA   |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)  |
| NUMBER OF MACROCELLS             | 512  |
| NUMBER OF LOGIC ELEMENTS/BLOCKS  | 32   |
| NUMBER OF I/O                    | 212  |
| NUMBER OF GATES                  | 12000  |
| MOUNTING TYPE                    | Surface Mount  |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)  |
| MANUFACTURER STANDARD LEAD TIME  | 10 Weeks   |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant   |
| DELAY TIME TPD(1) MAX            | 7.1ns  |
| BASE PART NUMBER                 | XC2C512  |

#### Related Tags

|                               |                                    |                            |
|-------------------------------|------------------------------------|----------------------------|
| Xilinx XC2C512-7FT256I        | XC2C512-7FT256I Distributor        | XC2C512-7FT256I Supplier   |
| XC2C512-7FT256I Price         | XC2C512-7FT256I Pictures           | XC2C512-7FT256I Image      |
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| Xilinx XC2C512-7FT256I        | Xilinx Supplier                    | Xilinx Distributor         |
| Xilinx XC2C512-7FT256I        | Xilinx Inc. XC2C512-7FT256I        |                            |

#### Related Products

|  |  |
|--|--|
|  <p><b>XC2C512-7FGG324C</b><br/>                 Manufacturers: Xilinx<br/>                 Description: IC CPLD 512MC 7.1NS 324FBGA<br/>                 In stock: Out stock<br/> <a href="#">RFQ</a></p> |  <p><b>XC2C512-7FG324C</b><br/>                 Manufacturers: Xilinx<br/>                 Description: IC CPLD 512MC 7.1NS 324BGA<br/>                 In stock: Out stock<br/> <a href="#">RFQ</a></p>    |
|  <p><b>XC2C512-7FT256C</b><br/>                 Manufacturers: Xilinx<br/>                 Description: IC CPLD 512MC 7.1NS 256BGA<br/>                 In stock: Out stock<br/> <a href="#">RFQ</a></p>   |  <p><b>XC2C512-10PQG208C</b><br/>                 Manufacturers: Xilinx<br/>                 Description: IC CPLD 512MC 9.2NS 208QFP<br/>                 In stock: Out stock<br/> <a href="#">RFQ</a></p>  |
|  <p><b>XC2C512-7PQG208C</b><br/>                 Manufacturers: Xilinx<br/>                 Description: IC CPLD 512MC 7.1NS 208QFP<br/>                 In stock: Out stock<br/> <a href="#">RFQ</a></p>  |  <p><b>XC2C512-10PQ208I</b><br/>                 Manufacturers: Xilinx<br/>                 Description: IC CPLD 512MC 9.2NS 208QFP<br/>                 In stock: Out stock<br/> <a href="#">RFQ</a></p>   |
|  <p><b>XC2C512-7FTG256C</b><br/>                 Manufacturers: Xilinx<br/>                 Description: IC CPLD 512MC 7.1NS 256BGA<br/>                 In stock: 79 pcs<br/> <a href="#">RFQ</a></p>     |  <p><b>XC2C64A-5CPG56C</b><br/>                 Manufacturers: Xilinx<br/>                 Description: IC CPLD 64MC 4.6NS 56CSBGA<br/>                 In stock: Out stock<br/> <a href="#">RFQ</a></p>    |
|  <p><b>XC2C512-10PQG208I</b><br/>                 Manufacturers: Xilinx<br/>                 Description: IC CPLD 512MC 9.2NS 208QFP<br/>                 In stock: Out stock<br/> <a href="#">RFQ</a></p> |  <p><b>XC2C64A-5CP56C</b><br/>                 Manufacturers: Xilinx<br/>                 Description: IC CPLD 64MC 4.6NS 56BGA<br/>                 In stock: Out stock<br/> <a href="#">RFQ</a></p>       |
|  <p><b>XC2C512-7PQ208C</b><br/>                 Manufacturers: Xilinx<br/>                 Description: IC CPLD 512MC 7.1NS 208QFP<br/>                 In stock: Out stock<br/> <a href="#">RFQ</a></p>   |  <p><b>XC2C512-7FTG256I</b><br/>                 Manufacturers: Xilinx<br/>                 Description: IC CPLD 512MC 7.1NS 256FTBGA<br/>                 In stock: Out stock<br/> <a href="#">RFQ</a></p> |

