



Intel® FPGAs

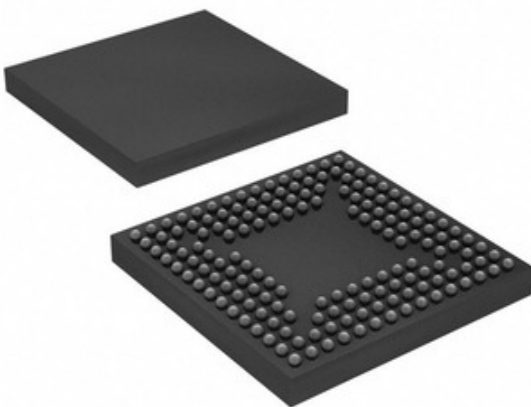


Image may be representation. See specifications for product details.

EP3C5M164C8N

Part Number: EP3C5M164C8N

Manufacturer/Brand: Intel® FPGAs

Product description: IC FPGA 106 I/O 164MBGA

PDF

1.EP3C5M164C8N.pdf

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Lead free / RoHS Compliant

Ship From: Hong Kong

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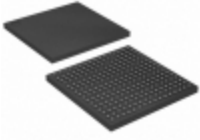
Specifications of EP3C5M164C8N

|                                  |                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EP3C5M164C8N                                                                                                                                                                                                                                                                                                                                                    |
| MANUFACTURER                     | Intel® FPGAs                                                                                                                                                                                                                                                                                                                                                    |
| DESCRIPTION                      | IC FPGA 106 I/O 164MBGA                                                                                                                                                                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                      |
| DATA SHEET                       | <div><div>PDF</div>1.EP3C5M164C8N.pdf</div> <div><div>PDF</div>2.EP3C5M164C8N.pdf</div> <div><div>PDF</div>3.EP3C5M164C8N.pdf</div> <div><div>PDF</div>4.EP3C5M164C8N.pdf</div> <div><div>PDF</div>5.EP3C5M164C8N.pdf</div> <div><div>PDF</div>6.EP3C5M164C8N.pdf</div> <div><div>PDF</div>7.EP3C5M164C8N.pdf</div> <div><div>PDF</div>8.EP3C5M164C8N.pdf</div> |
| VOLTAGE - SUPPLY                 | 1.15 V ~ 1.25 V                                                                                                                                                                                                                                                                                                                                                 |
| TOTAL RAM BITS                   | 423936                                                                                                                                                                                                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 164-MBGA (8x8)                                                                                                                                                                                                                                                                                                                                                  |
| SERIES                           | Cyclone® III                                                                                                                                                                                                                                                                                                                                                    |
| PACKAGE / CASE                   | 164-TFBGA                                                                                                                                                                                                                                                                                                                                                       |
| OTHER NAMES                      | 544-3311<br>EP3C5M164C8N-ND                                                                                                                                                                                                                                                                                                                                     |
| OPERATING TEMPERATURE            | 0°C ~ 85°C (TJ)                                                                                                                                                                                                                                                                                                                                                 |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 5136                                                                                                                                                                                                                                                                                                                                                            |
| NUMBER OF LABS/CLBS              | 321                                                                                                                                                                                                                                                                                                                                                             |
| NUMBER OF I/O                    | 106                                                                                                                                                                                                                                                                                                                                                             |
| MOUNTING TYPE                    | Surface Mount                                                                                                                                                                                                                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                   |
| MANUFACTURER STANDARD LEAD TIME  | 8 Weeks                                                                                                                                                                                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                      |
| BASE PART NUMBER                 | EP3C5                                                                                                                                                                                                                                                                                                                                                           |

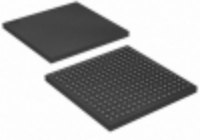
Related Tags

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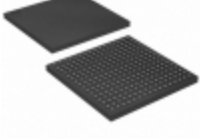
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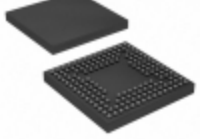
**EP3C5F256I7**  
Manufacturers: Altera (Intel® Programmable Solutions Group)  
Description: IC FPGA 182 I/O 256FBGA  
In stock: Out stock  
RFQ



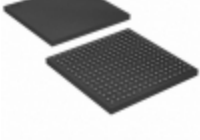
**EP3C5F256I7N**  
Manufacturers: Intel® FPGAs  
Description: IC FPGA 182 I/O 256FBGA  
In stock: Out stock  
RFQ



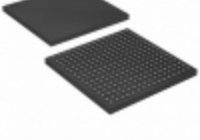
**EP3C5U256A7N**  
Manufacturers: Altera (Intel® Programmable Solutions Group)  
Description: IC FPGA 182 I/O 256UBGA  
In stock: Out stock  
RFQ



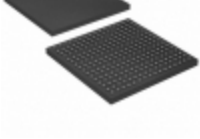
**EP3C5M164I7N**  
Manufacturers: Altera (Intel® Programmable Solutions Group)  
Description: IC FPGA 106 I/O 164MBGA  
In stock: 348 pcs  
RFQ



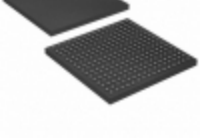
**EP3C5F256C8N**  
Manufacturers: Intel® FPGAs  
Description: IC FPGA 182 I/O 256FBGA  
In stock: 446 pcs  
RFQ



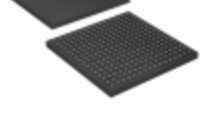
**EP3C5U256C7**  
Manufacturers: Altera (Intel® Programmable Solutions Group)  
Description: IC FPGA 182 I/O 256UBGA  
In stock: Out stock  
RFQ



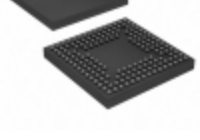
**EP3C5U256C6**  
Manufacturers: Altera (Intel® Programmable Solutions Group)  
Description: IC FPGA 182 I/O 256UBGA  
In stock: Out stock  
RFQ



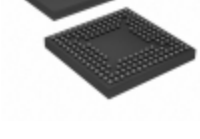
**EP3C5F256C8**  
Manufacturers: Altera (Intel® Programmable Solutions Group)  
Description: IC FPGA 182 I/O 256FBGA  
In stock: Out stock  
RFQ



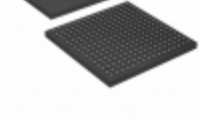
**EP3C5F256C7N**  
Manufacturers: Intel® FPGAs  
Description: IC FPGA 182 I/O 256FBGA  
In stock: 504 pcs  
RFQ



**EP3C5M164C7N**  
Manufacturers: Intel® FPGAs  
Description: IC FPGA 106 I/O 164MBGA  
In stock: 741 pcs  
RFQ



**EP3C5M164I7**  
Manufacturers: Altera (Intel® Programmable Solutions Group)  
Description: IC FPGA 106 I/O 164MBGA  
In stock: Out stock  
RFQ



**EP3C5U256C6N**  
Manufacturers: Altera (Intel® Programmable Solutions Group)  
Description: IC FPGA 182 I/O 256UBGA  
In stock: 129 pcs  
RFQ