

HC1S60F1020N



Part Number: [HC1S60F1020N](#)

Manufacturer: [Altera \(Intel® Programmable Solutions Group\)](#)

Description: IC FPGA APEX 1020FBGA

Data sheet:  [HardCopy Stratix Device Family](#)

RoHS Status: Contains lead / RoHS non-compliant

Ship From: Hong Kong

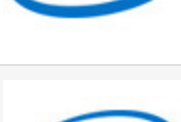
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| PRODUCT PARAMETER                |                                           |                                |                                                              |
|----------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------|
| Part Number                      | HC1S60F1020N                              | Manufacturer                   | <a href="#">Altera (Intel® Programmable Solutions Group)</a> |
| Description                      | IC FPGA APEX 1020FBGA                     | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                           |
| Quantity Available               | 5632 pcs                                  | Data sheet                     | <a href="#">HardCopy Stratix Device Family</a>               |
| Category                         | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 1.425 V ~ 1.575 V                                            |
| Total RAM Bits                   | 5215104                                   | Supplier Device Package        | 1020-FBGA (33x33)                                            |
| Series                           | Stratix® HardCopy®                        | Package / Case                 | 1020-BBGA                                                    |
| Number of Logic Elements/Cells   | 57120                                     | Number of LABs/CLBs            | 5712                                                         |
| Number of I/O                    | 782                                       | Mounting Type                  | Surface Mount                                                |
| Moisture Sensitivity Level (MSL) | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                           |

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| RELATED PRODUCTS                                                                   |                                                                             |                                                                             |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">HC1S60F1020CB</a><br>Description: IC FPGA APEX 1020FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S60F1020NBX</a><br>Description: IC FPGA APEX 1020FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S60F1020AG</a><br>Description: IC FPGA APEX 1020FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S80F1020AT</a><br>Description: IC FPGA APEX 1020FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S80F1020AW</a><br>Description: IC FPGA APEX 1020FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S40F780NAL</a><br>Description: IC FPGA APEX 780FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S60F1020CA</a><br>Description: IC FPGA APEX 1020FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S80F1020AR</a><br>Description: IC FPGA APEX 1020FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S60F1020BQ</a><br>Description: IC FPGA APEX 1020FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S60F1020NBW</a><br>Description: IC FPGA APEX 1020FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S60F1020BL</a><br>Description: IC FPGA APEX 1020FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S60F1020NBZ</a><br>Description: IC FPGA APEX 1020FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S60F1020NAM</a><br>Description: IC FPGA APEX 1020FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S80F1020</a><br>Description: IC FPGA APEX 1020FBGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S40F780NAM</a><br>Description: IC FPGA APEX 780FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S60F1020</a><br>Description: IC FPGA APEX 1020FBGA    | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S80F1020AS</a><br>Description: IC FPGA APEX 1020FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S60F1020BM</a><br>Description: IC FPGA APEX 1020FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S60F1020NBJ</a><br>Description: IC FPGA APEX 1020FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">HC1S60F1020BY</a><br>Description: IC FPGA APEX 1020FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |

| Related keywords for HC1S60F1020N            |                                              |                        |                                              |
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