

HC1S80F1020NAN



Part Number: [HC1S80F1020NAN](#)

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

Description: IC FPGA APEX 1020FBGA

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

RoHs Status: Contains lead / RoHS non-compliant

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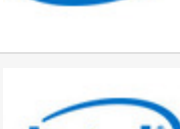
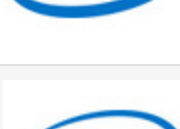
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| PRODUCT PARAMETER                |                                           |                                |                                                              |
|----------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------|
| Part Number                      | HC1S80F1020NAN                            | 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               | 5055 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                   | 5658048                                   | Supplier Device Package        | 1020-FBGA (33x33)                                            |
| Series                           | Stratix® HardCopy®                        | Package / Case                 | 1020-BBGA                                                    |
| Number of Logic Elements/Cells   | 79040                                     | Number of LABs/CLBs            | 7904                                                         |
| 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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|------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">HC1S80XX</a><br>Description: IC FPGA APEX                 | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
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|                                              |                                              |                          |                                              |
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