

5ASXBB5D4F40C5N



Part Number: 5ASXBB5D4F40C5N

Manufacturer: Intel® FPGAs

Description: IC FPGA 528 I/O 1517FBGA

Data sheet:

 [Arria V Datasheet](#)

 [Arria V Device Overview](#)

 [Virtual JTAG Megafuntion User Guide](#)

RoHs Status: Lead free / RoHS Compliant

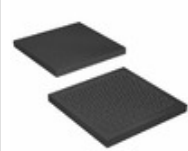
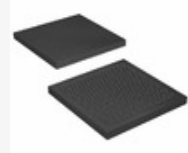
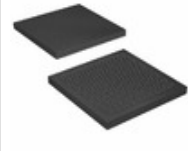
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                          |                                  |                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5ASXBB5D4F40C5N                                                                                                                          | Manufacturer                     | <a href="#">Intel® FPGAs</a>                                                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC FPGA 528 I/O 1517FBGA                                                                                                                 | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                 | 34 pcs                                                                                                                                   | Data sheet                       | <a href="#">Arria V Datasheet</a><br><a href="#">Arria V Device Overview</a><br><a href="#">Virtual JTAG Megafuntion User Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a>                                                                                                | Supplier Device Package          | 1517-FBGA (40x40)                                                                                                                   |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                              | 800MHz                                                                                                                                   | Series                           | Arria V SX                                                                                                                          |
| RAM Size                                                                                                                                                                                                                                                                                                                                                                                                                                           | 64KB                                                                                                                                     | Primary Attributes               | FPGA - 462K Logic Elements                                                                                                          |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                        | DMA, POR, WDT                                                                                                                            | Packaging                        | Tray                                                                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1517-BBGA                                                                                                                                | Operating Temperature            | 0°C ~ 85°C (TJ)                                                                                                                     |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                      | MCU - 208, FPGA - 540                                                                                                                    | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                       |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                     | Lead free / RoHS Compliant                                                                                                               | Flash Size                       | -                                                                                                                                   |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                               | Dual ARM® Cortex®-A9 MPCore™ with CoreSight™ System On Chip (SOC) IC Arria V SX FPGA - 462K Logic Elements 64KB 800MHz 1517-FBGA (40x40) | Core Processor                   | Dual ARM® Cortex®-A9 MPCore™ with CoreSight™                                                                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                       | EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG                                                                            | Base Part Number                 | 5ASXBB5                                                                                                                             |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                       | MCU, FPGA                                                                                                                                |                                  |                                                                                                                                     |
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|  | Part#: <a href="#">5ASXBB5D4F35C5N</a><br>Description: IC FPGA 350 I/O 1152FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">5ASXFB3G4F35C6N</a><br>Description: IC FPGA 350 I/O 1152FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">5ASXBB5D4F40C6N</a><br>Description: IC FPGA 528 I/O 1517FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">5ASXBB5D4F31C6N</a><br>Description: IC FPGA 170 I/O 896FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
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