

10AS032E2F27E1HG



**Part Number:** 10AS032E2F27E1HG

**Manufacturer:** Intel® FPGAs

**Description:** IC SOC FPGA 240 I/O 672FBGA

**Data sheet:**  [Arria® 10 Device Overview](#)  
 [Arria 10 Device Datasheet](#)

**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER              |                                                                                                                                           |                                  |                                                                                        |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------|
| Part Number                    | 10AS032E2F27E1HG                                                                                                                          | Manufacturer                     | <a href="#">Intel® FPGAs</a>                                                           |
| Description                    | IC SOC FPGA 240 I/O 672FBGA                                                                                                               | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                             |
| Quantity Available             | 66 pcs                                                                                                                                    | Data sheet                       | <a href="#">Arria® 10 Device Overview</a><br><a href="#">Arria 10 Device Datasheet</a> |
| Category                       | <a href="#">Integrated Circuits (ICs)</a>                                                                                                 | Supplier Device Package          | 672-FBGA (27x27)                                                                       |
| Speed                          | 1.5GHz                                                                                                                                    | Series                           | Arria 10 SX                                                                            |
| RAM Size                       | 256KB                                                                                                                                     | Primary Attributes               | FPGA - 320K Logic Elements                                                             |
| Peripherals                    | DMA, POR, WDT                                                                                                                             | Packaging                        | Tray                                                                                   |
| Package / Case                 | 672-BBGA, FCBGA                                                                                                                           | Operating Temperature            | 0°C ~ 100°C (TJ)                                                                       |
| Number of I/O                  | 240                                                                                                                                       | 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 10 SX FPGA - 320K Logic Elements 256KB 1.5GHz 672-FBGA (27x27) | Core Processor                   | Dual ARM® Cortex®-A9 MPCore™ with CoreSight™                                           |
| Connectivity                   | EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG                                                                             | Architecture                     | MCU, FPGA                                                                              |

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|  | Part#: <a href="#">10AS032E2F27I2SG</a><br>Description: 672-PIN FBGA                | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS032E2F27E1SG</a><br>Description: IC SOC FPGA 240 I/O 672FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS032E1F29E1HG</a><br>Description: IC SOC FPGA 360 I/O 780FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
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