

10AS027E3F29I2SG



Part Number: 10AS027E3F29I2SG

Manufacturer Intel® FPGAs

Description 780-PIN FBGA

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER               |                                              |                                  |                                                                                                                          |
|---------------------------------|----------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Part Number                     | 10AS027E3F29I2SG                             | Manufacturer                     | <a href="#">Intel® FPGAs</a>                                                                                             |
| Description                     | 780-PIN FBGA                                 | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                               |
| Quantity Available              | 67 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>    | Speed                            | 1.5GHz                                                                                                                   |
| Series                          | Arria 10 SX                                  | RAM Size                         | 256KB                                                                                                                    |
| Primary Attributes              | FPGA - 270K Logic Elements                   | Peripherals                      | DMA, POR, WDT                                                                                                            |
| Packaging                       | Tray                                         | Operating Temperature            | -40°C ~ 100°C (TJ)                                                                                                       |
| Number of I/O                   | 360                                          | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                            |
| Manufacturer Standard Lead Time | 12 Weeks                                     | 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 - 270K Logic Elements 256KB 1.5GHz |
| 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="#">10AS027E2F29I1SG</a><br>Description: IC SOC FPGA 360 I/O 780FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS027E2F29I2SG</a><br>Description: 780-PIN FBGA                 | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS027E3F27I2SG</a><br>Description: 672-PIN FBGA                 | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS027E3F27E2LG</a><br>Description: 672-PIN FBGA                 | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS027E3F29I2LG</a><br>Description: 780-PIN FBGA                 | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS027E4F27I3LG</a><br>Description: 672-PIN FBGA                 | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS027E4F27E3SG</a><br>Description: 672-PIN FBGA                 | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS027E4F27I3SG</a><br>Description: 672-PIN FBGA                 | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS027E4F27E3LG</a><br>Description: 672-PIN FBGA                 | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">10AS027E4F29E3SG</a><br>Description: 780-PIN FBGA                 | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">10AS027H1F34E1HG</a><br>Description: IC SOC FPGA 384 I/O 1152FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS027E4F29E3LG</a><br>Description: 780-PIN FBGA                 | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS027E2F29I2LG</a><br>Description: 780-PIN FBGA                 | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS027H1F34E1SG</a><br>Description: IC SOC FPGA 384 I/O 1152FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |

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