



Altera (Intel® Programmable Solutions Group)



Image may be representation. See specifications for product details.

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | 10AS027E1F29I1SG                                                                                             |
| Manufacturer/Brand: | Altera (Intel® Programmable Solutions Group)                                                                 |
| Product description | IC SOC FPGA 360 I/O 780FBGA                                                                                  |
| Datasheets:         |  1.10AS027E1F29I1SG.pdf     |
|                     |  2.10AS027E1F29I1SG.pdf     |
|                     |  3.10AS027E1F29I1SG.pdf     |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 6024 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of 10AS027E1F29I1SG

|                                  |                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | 10AS027E1F29I1SG                                                                                                                                                                                                                                                                                                                       |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                                                                           |
| DESCRIPTION                      | IC SOC FPGA 360 I/O 780FBGA                                                                                                                                                                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                             |
| QUANTITY AVAILABLE               | 6024 pcs                                                                                                                                                                                                                                                                                                                               |
| DATA SHEET                       |  1.10AS027E1F29I1SG.pdf<br> 2.10AS027E1F29I1SG.pdf<br> 3.10AS027E1F29I1SG.pdf |
| SUPPLIER DEVICE PACKAGE          | 780-FBGA (29x29)                                                                                                                                                                                                                                                                                                                       |
| SPEED                            | 1.5GHz                                                                                                                                                                                                                                                                                                                                 |
| SERIES                           | Arria 10 SX                                                                                                                                                                                                                                                                                                                            |
| RAM SIZE                         | 256KB                                                                                                                                                                                                                                                                                                                                  |
| PRIMARY ATTRIBUTES               | FPGA - 270K Logic Elements                                                                                                                                                                                                                                                                                                             |
| PERIPHERALS                      | DMA, POR, WDT                                                                                                                                                                                                                                                                                                                          |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 780-BBGA, FCBGA                                                                                                                                                                                                                                                                                                                        |
| OPERATING TEMPERATURE            | -40°C ~ 100°C (TJ)                                                                                                                                                                                                                                                                                                                     |
| NUMBER OF I/O                    | 360                                                                                                                                                                                                                                                                                                                                    |
| 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 - 270K Logic Elements 256KB 1.5GHz 780-FBGA (29x29)                                                                                                                                                                                              |
| 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                                                                                                                                                                                                                                                                                                                              |

Related Tags

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Related Products

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|  <div>10AS027E2F27I1SG<br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC SOC FPGA 240 I/O 672FBGA<br/>In stock: 4488 pcs</div> <div>RFQ</div> |  <div>10AS027E1F29E1HG<br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 360 I/O 780FBGA<br/>In stock: 72 pcs</div> <div>RFQ</div>                                   |
|  <div>10AS027E2F27E1HG<br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 240 I/O 672FBGA<br/>In stock: 71 pcs</div> <div>RFQ</div>                                   |  <div>10AS027E2F27E2SG<br/>Manufacturers: Intel® FPGAs<br/>Description: 672-PIN FBGA<br/>In stock: 86 pcs</div> <div>RFQ</div>                                                  |
|  <div>10AS027E1F29I1HG<br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 360 I/O 780FBGA<br/>In stock: 47 pcs</div> <div>RFQ</div>                                   |  <div>10AS027E1F27I1HG<br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 240 I/O 672FBGA<br/>In stock: 57 pcs</div> <div>RFQ</div>                                   |
|  <div>10AS027E2F27E1SG<br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC SOC FPGA 240 I/O 672FBGA<br/>In stock: 6479 pcs</div> <div>RFQ</div> |  <div>10AS027E2F27I1HG<br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 240 I/O 672FBGA<br/>In stock: 69 pcs</div> <div>RFQ</div>                                   |
|  <div>10AS027E1F29E1SG<br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC SOC FPGA 360 I/O 780FBGA<br/>In stock: 6435 pcs</div> <div>RFQ</div> |  <div>10AS027E2F27E2LG<br/>Manufacturers: Intel® FPGAs<br/>Description: 672-PIN FBGA<br/>In stock: 75 pcs</div> <div>RFQ</div>                                                  |
|  <div>10AS027E1F27I1SG<br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC SOC FPGA 240 I/O 672FBGA<br/>In stock: 4942 pcs</div> <div>RFQ</div> |  <div>10AS027E1F27E1SG<br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC SOC FPGA 240 I/O 672FBGA<br/>In stock: 2916 pcs</div> <div>RFQ</div> |