



10AS016E4F27E3SG

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|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | 10AS016E4F27E3SG                                                                                                                                                                                                     |
| Manufacturer/Brand: | Intel® FPGAs                                                                                                                                                                                                         |
| Product description | IC SOC FPGA 240 I/O 672FBGA                                                                                                                                                                                          |
| Datasheets:         |  1.10AS016E4F27E3SG.pdf<br> 2.10AS016E4F27E3SG.pdf |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                         |
| Stock Condition     | 173 pcs stock                                                                                                                                                                                                        |
| Ship From           | Hong Kong                                                                                                                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                |

REQUEST FOR QUOTATION

Specifications of 10AS016E4F27E3SG

|                                  |                                                                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | 10AS016E4F27E3SG                                                                                                                                                                                                         |
| MANUFACTURER                     | Intel® FPGAs                                                                                                                                                                                                             |
| DESCRIPTION                      | IC SOC FPGA 240 I/O 672FBGA                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 173 pcs                                                                                                                                                                                                                  |
| DATA SHEET                       |  1.10AS016E4F27E3SG.pdf<br> 2.10AS016E4F27E3SG.pdf |
| SUPPLIER DEVICE PACKAGE          | 672-FBGA (27x27)                                                                                                                                                                                                         |
| SPEED                            | 1.5GHz                                                                                                                                                                                                                   |
| SERIES                           | Arria 10 SX                                                                                                                                                                                                              |
| RAM SIZE                         | 256KB                                                                                                                                                                                                                    |
| PRIMARY ATTRIBUTES               | FPGA - 160K 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 - 160K 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                                                                                                                                                                                                                |

Related Tags

|                                |                                     |                                   |
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| Intel® FPGAs 10AS016E4F27E3SG  | 10AS016E4F27E3SG Distributor        | 10AS016E4F27E3SG Supplier         |
| 10AS016E4F27E3SG Price         | 10AS016E4F27E3SG Pictures           | 10AS016E4F27E3SG Image            |
| 10AS016E4F27E3SG PDF Datasheet | 10AS016E4F27E3SG Download Datasheet | 10AS016E4F27E3SG Datasheet        |
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| Intel® FPGAs 10AS016E4F27E3SG  |                                     |                                   |

Related Products

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| <div></div> <div><b>10AS016E3F29I1HG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 288 I/O 780FBGA<br/>In stock: 106 pcs<br/><div>RFQ</div></div>                                  | <div></div> <div><b>10AS016E4F27I3LG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 240 I/O 672FBGA<br/>In stock: 141 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>10AS016E4F27E3LG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 240 I/O 672FBGA<br/>In stock: 156 pcs<br/><div>RFQ</div></div>                                  | <div></div> <div><b>10AS016E4F29I3LG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 288 I/O 780FBGA<br/>In stock: 141 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>10AS016E4F29E3LG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 288 I/O 780FBGA<br/>In stock: 151 pcs<br/><div>RFQ</div></div>                                  | <div></div> <div><b>10AS016E4F29I3SG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 288 I/O 780FBGA<br/>In stock: 170 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>10AS016E3F29I1SG</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC SOC FPGA 288 I/O 780FBGA<br/>In stock: 5191 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>10AS016E4F29E3SG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 288 I/O 780FBGA<br/>In stock: 195 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>10AS016E3F29I2SG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 288 I/O 780FBGA<br/>In stock: 112 pcs<br/><div>RFQ</div></div>                                  | <div></div> <div><b>10AS016E4F27I3SG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 240 I/O 672FBGA<br/>In stock: 164 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>10AS016E3F29E2SG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 288 I/O 780FBGA<br/>In stock: 133 pcs<br/><div>RFQ</div></div>                                  | <div></div> <div><b>10AS016E3F29I2LG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 288 I/O 780FBGA<br/>In stock: 107 pcs<br/><div>RFQ</div></div> |