



Intel® FPGAs



10AS048E1F29I1HG

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | 10AS048E1F29I1HG                                                                                             |
| Manufacturer/Brand: | Intel® FPGAs                                                                                                 |
| Product description | IC SOC FPGA 360 I/O 780FBGA                                                                                  |
|                     |  1.10AS048E1F29I1HG.pdf     |
|                     |  2.10AS048E1F29I1HG.pdf     |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         |                                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of 10AS048E1F29I1HG

|                                  |                                                                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | 10AS048E1F29I1HG                                                                                                                                                                                                         |
| MANUFACTURER                     | Intel® FPGAs                                                                                                                                                                                                             |
| DESCRIPTION                      | IC SOC FPGA 360 I/O 780FBGA                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                               |
| DATA SHEET                       |  1.10AS048E1F29I1HG.pdf<br> 2.10AS048E1F29I1HG.pdf |
| SUPPLIER DEVICE PACKAGE          | 780-FBGA (29x29)                                                                                                                                                                                                         |
| SPEED                            | 1.5GHz                                                                                                                                                                                                                   |
| SERIES                           | Arria 10 SX                                                                                                                                                                                                              |
| RAM SIZE                         | 256KB                                                                                                                                                                                                                    |
| PRIMARY ATTRIBUTES               | FPGA - 480K 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)                                                                                                                                                                                                            |
| 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 - 480K 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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| Intel® FPGAs 10AS048E1F29I1HG  | 10AS048E1F29I1HG Distributor        | 10AS048E1F29I1HG Supplier         |
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Related Products

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|  <div><b>10AS032H4F35I3SG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: 1152-PIN FBGA<br/>In stock: Out stock<br/>RFQ</div>                                               |  <div><b>10AS048E2F29E1HG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC SOC FPGA 360 I/O 780FBGA<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>10AS032H4F35E3LG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: 1152-PIN FBGA<br/>In stock: Out stock<br/>RFQ</div>                                               |  <div><b>10AS032H4F35I3LG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: 1152-PIN FBGA<br/>In stock: Out stock<br/>RFQ</div>               |
|  <div><b>10AS048E2F29E2SG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: 780-PIN FBGA<br/>In stock: Out stock<br/>RFQ</div>                                                |  <div><b>10AS048E2F29E2LG</b><br/>Manufacturers: Intel® FPGAs<br/>Description: 780-PIN FBGA<br/>In stock: Out stock<br/>RFQ</div>                |
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