



Altera (Intel® Programmable



Solutions Group)

Image may be representation. See specifications for product details.

10AS048E1F29E1SG

Part Number:10AS048E1F29E1SG

Manufacturer/Brand:Altera (Intel® Programmable Solutions Group)

Product description:IC SOC FPGA 360 I/O 780FBGA

Datasheets:

1.10AS048E1F29E1SG.pdf

2.10AS048E1F29E1SG.pdf

3.10AS048E1F29E1SG.pdf

RoHs Status:Lead free / RoHS Compliant

Stock Condition:4607 pcs stock

Ship From:Hong Kong

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

REQUEST FOR QUOTATION

Specifications of 10AS048E1F29E1SG

|                                  |                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | 10AS048E1F29E1SG                                                                                                                                                                                                                                                                                                                                               |
| 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               | 4607 pcs                                                                                                                                                                                                                                                                                                                                                       |
| DATA SHEET                       | <div>1.10AS048E1F29E1SG.pdf</div> <div>2.10AS048E1F29E1SG.pdf</div> <div>3.10AS048E1F29E1SG.pdf</div> |
| 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            | 0°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 - 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

|                                                               |                                                       |                                                                   |
|---------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------|
| Altera (Intel® Programmable Solutions Group) 10AS048E1F29E1SG | 10AS048E1F29E1SG Distributor                          | 10AS048E1F29E1SG Supplier                                         |
| 10AS048E1F29E1SG Price                                        | 10AS048E1F29E1SG Pictures                             | 10AS048E1F29E1SG Image                                            |
| 10AS048E1F29E1SG PDF Datasheet                                | 10AS048E1F29E1SG Download Datasheet                   | 10AS048E1F29E1SG Datasheet                                        |
| 10AS048E1F29E1SG Stock                                        | Buy 10AS048E1F29E1SG                                  | Buy Altera (Intel® Programmable Solutions Group) 10AS048E1F29E1SG |
| Altera (Intel® Programmable Solutions Group) 10AS048E1F29E1SG | Altera (Intel® Programmable Solutions Group) Supplier | Altera (Intel® Programmable Solutions Group) Distributor          |
| Altera (Intel® Programmable Solutions Group) 10AS048E1F29E1SG | Altera 10AS048E1F29E1SG                               | Altera (Intel® Programmable Solutions Group) 10AS048E1F29E1SG     |

Related Products

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div>10AS032H4F34I3SG</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: 1152-PIN FBGA</div> <div>In stock: 66 pcs</div> <div>RFQ</div>               | <div></div> <div>10AS048E2F29E1SG</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC SOC FPGA 360 I/O 780FBGA</div> <div>In stock: 6420 pcs</div> <div>RFQ</div> |
| <div></div> <div>10AS032H4F35I3LG</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: 1152-PIN FBGA</div> <div>In stock: 53 pcs</div> <div>RFQ</div>               | <div></div> <div>10AS032H4F35E3LG</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: 1152-PIN FBGA</div> <div>In stock: 75 pcs</div> <div>RFQ</div>                                                 |
| <div></div> <div>10AS032H4F35I3SG</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: 1152-PIN FBGA</div> <div>In stock: 81 pcs</div> <div>RFQ</div>               | <div></div> <div>10AS032H4F35E3SG</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: 1152-PIN FBGA</div> <div>In stock: 98 pcs</div> <div>RFQ</div>                                                 |
| <div></div> <div>10AS048E2F29E1HG</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC SOC FPGA 360 I/O 780FBGA</div> <div>In stock: 41 pcs</div> <div>RFQ</div> | <div></div> <div>10AS048E1F29I1HG</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC SOC FPGA 360 I/O 780FBGA</div> <div>In stock: 31 pcs</div> <div>RFQ</div>                                   |
| <div></div> <div>10AS048E2F29E2LG</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: 780-PIN FBGA</div> <div>In stock: 38 pcs</div> <div>RFQ</div>                | <div></div> <div>10AS048E1F29I1SG</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC SOC FPGA 360 I/O 780FBGA</div> <div>In stock: 5347 pcs</div> <div>RFQ</div> |
| <div></div> <div>10AS048E1F29E1HG</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC SOC FPGA 360 I/O 780FBGA</div> <div>In stock: 34 pcs</div> <div>RFQ</div> | <div></div> <div>10AS048E2F29E2SG</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: 780-PIN FBGA</div> <div>In stock: 42 pcs</div> <div>RFQ</div>                                                  |