



Intel® FPGAs



10AS016C3U19E2LG

Part Number:10AS016C3U19E2LG

Manufacturer/Brand:Intel® FPGAs

Product descriptionIC SOC FPGA 192 I/O 484UBGA

1.10AS016C3U19E2LG.pdf

2.10AS016C3U19E2LG.pdf

Datasheets:

Lead free / RoHS Compliant

RoHS Status

Ship FromHong Kong

Shipment WayDHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of 10AS016C3U19E2LG

|                                  |                                                                                                                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | 10AS016C3U19E2LG                                                                                                                                                                                                                          |
| MANUFACTURER                     | Intel® FPGAs                                                                                                                                                                                                                              |
| DESCRIPTION                      | IC SOC FPGA 192 I/O 484UBGA                                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                |
| DATA SHEET                       | <div>1.10AS016C3U19E2LG.pdf</div> <div>2.10AS016C3U19E2LG.pdf</div> |
| SUPPLIER DEVICE PACKAGE          | 484-UBGA (19x19)                                                                                                                                                                                                                          |
| SPEED                            | 1.5GHz                                                                                                                                                                                                                                    |
| SERIES                           | Arria 10 SX                                                                                                                                                                                                                               |
| RAM SIZE                         | 256KB                                                                                                                                                                                                                                     |
| PRIMARY ATTRIBUTES               | FPGA - 160K Logic Elements                                                                                                                                                                                                                |
| PERIPHERALS                      | DMA, POR, WDT                                                                                                                                                                                                                             |
| PACKAGING                        | Tray                                                                                                                                                                                                                                      |
| PACKAGE / CASE                   | 484-BFBGA, FCBGA                                                                                                                                                                                                                          |
| OPERATING TEMPERATURE            | 0°C ~ 100°C (TJ)                                                                                                                                                                                                                          |
| NUMBER OF I/O                    | 192                                                                                                                                                                                                                                       |
| 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 - 160K Logic Elements 256KB 1.5GHz 484-UBGA (19x19)                                                                                                 |
| 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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