



Intel® FPGAs



1SX280LU2F50E2VGS1

Part Number:1SX280LU2F50E2VGS1

Manufacturer/Brand:Intel® FPGAs

Product description2397-PIN FBGA

1.1SX280LU2F50E2VGS1.pdf

2.1SX280LU2F50E2VGS1.pdf

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 1SX280LU2F50E2VGS1

|                                  |                                                                                                                                                                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | 1SX280LU2F50E2VGS1                                                                                                                                                                                                                            |
| MANUFACTURER                     | Intel® FPGAs                                                                                                                                                                                                                                  |
| DESCRIPTION                      | 2397-PIN FBGA                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                    |
| DATA SHEET                       | <div>1.1SX280LU2F50E2VGS1.pdf</div> <div>2.1SX280LU2F50E2VGS1.pdf</div> |
| SPEED                            | 1.5GHz                                                                                                                                                                                                                                        |
| SERIES                           | Stratix® 10 SX                                                                                                                                                                                                                                |
| RAM SIZE                         | 256KB                                                                                                                                                                                                                                         |
| PRIMARY ATTRIBUTES               | FPGA - 2800K Logic Elements                                                                                                                                                                                                                   |
| PERIPHERALS                      | DMA, WDT                                                                                                                                                                                                                                      |
| PACKAGING                        | Tray                                                                                                                                                                                                                                          |
| OPERATING TEMPERATURE            | 0°C ~ 100°C (TJ)                                                                                                                                                                                                                              |
| NUMBER OF I/O                    | 704                                                                                                                                                                                                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                    |
| FLASH SIZE                       | -                                                                                                                                                                                                                                             |
| DETAILED DESCRIPTION             | Quad ARM® Cortex®-A53 MPCore™ with CoreSight™ System On Chip (SOC) IC Stratix® 10 SX FPGA - 2800K Logic Elements 256KB 1.5GHz                                                                                                                 |
| CORE PROCESSOR                   | Quad ARM® Cortex®-A53 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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