

10AS027H1F35E1HG



Part Number: 10AS027H1F35E1HG

Manufacturer Intel® FPGAs

Description IC SOC FPGA 384 I/O 1152FBGA

Data sheet:  [Arria® 10 Device Overview](#)  
 [Arria 10 Device Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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| PRODUCT PARAMETER              |                                                                                                                                            |                                  |                                                                                        |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------|
| Part Number                    | 10AS027H1F35E1HG                                                                                                                           | Manufacturer                     | <a href="#">Intel® FPGAs</a>                                                           |
| Description                    | IC SOC FPGA 384 I/O 1152FBGA                                                                                                               | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                             |
| Quantity Available             | 52 pcs                                                                                                                                     | Data sheet                       | <a href="#">Arria® 10 Device Overview</a><br><a href="#">Arria 10 Device Datasheet</a> |
| Category                       | <a href="#">Integrated Circuits (ICs)</a>                                                                                                  | Supplier Device Package          | 1152-FBGA (35x35)                                                                      |
| Speed                          | 1.5GHz                                                                                                                                     | Series                           | Arria 10 SX                                                                            |
| RAM Size                       | 256KB                                                                                                                                      | Primary Attributes               | FPGA - 270K Logic Elements                                                             |
| Peripherals                    | DMA, POR, WDT                                                                                                                              | Packaging                        | Tray                                                                                   |
| Package / Case                 | 1152-BBGA, FCBGA                                                                                                                           | Operating Temperature            | 0°C ~ 100°C (TJ)                                                                       |
| Number of I/O                  | 384                                                                                                                                        | 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 - 270K Logic Elements 256KB 1.5GHz 1152-FBGA (35x35) | 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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|  | Part#: <a href="#">10AS027H2F34E2SG</a><br>Description: 1152-PIN FBGA                | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10AS027H1F34E1SG</a><br>Description: IC SOC FPGA 384 I/O 1152FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
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