

10AS027H2F35I2LG



Part Number: 10AS027H2F35I2LG

Manufacturer Intel® FPGAs

Description 1152-PIN FBGA

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

RoHs Status: Lead free / RoHS Compliant

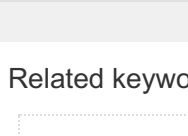
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                                  |                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10AS027H2F35I2LG                             | Manufacturer                     | <a href="#">Intel® FPGAs</a>                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1152-PIN FBGA                                | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                  | 42 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>    | Speed                            | 1.5GHz                                                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                              | Arria 10 SX                                  | RAM Size                         | 256KB                                                                                                                    |
| Primary Attributes                                                                                                                                                                                                                                                                                                                                                                                                                                  | FPGA - 270K Logic Elements                   | Peripherals                      | DMA, POR, WDT                                                                                                            |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                           | Tray                                         | Operating Temperature            | -40°C ~ 100°C (TJ)                                                                                                       |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                       | 384                                          | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                            |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                     | 16 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 - 270K Logic Elements 256KB 1.5GHz |
| 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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| RELATED PRODUCTS                                                                   |                                                                                      |                                                                             |                     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">10AS027H2F34I1SG</a><br>Description: IC SOC FPGA 384 I/O 1152FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS027H3F35I2SG</a><br>Description: 1152-PIN FBGA                | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS027H3F34E2LG</a><br>Description: 1152-PIN FBGA                | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">10AS027H2F35E2SG</a><br>Description: 1152-PIN FBGA                | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">10AS027H2F35E1HG</a><br>Description: IC SOC FPGA 384 I/O 1152FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">10AS027H3F34I2SG</a><br>Description: 1152-PIN FBGA                | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
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