



### 10AS027E2F27E1SG

Part Number: **10AS027E2F27E1SG**  
 Product Description: IC SOC FPGA 240 I/O 672FBGA  
 RoHs Status: Lead free / RoHS Compliant  
 Datasheets: [1.10AS027E2F27E1SG.pdf](#)  
[2.10AS027E2F27E1SG.pdf](#)  
[3.10AS027E2F27E1SG.pdf](#)

Manufacturer/Brand: Altera (Intel® Programmable Solutions Group)  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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Image may be representation.  
 See specifications for product details.

#### Product details

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<b>Data sheet</b>	1.10AS027E2F27E1SG.pdf2.10AS027E2F27E1SG.pdf3.10AS027E2F27E1SG.pdf		
<b>Supplier Device Package</b>	672-FBGA (27x27)	<b>Speed</b>	1.5GHz
<b>Series</b>	Arria 10 SX	<b>RAM Size</b>	256KB
<b>Primary Attributes</b>	FPGA - 270K Logic Elements	<b>Peripherals</b>	DMA, POR, WDT
<b>Packaging</b>	Tray	<b>Package / Case</b>	672-BBGA, FCBGA
<b>Operating Temperature</b>	0°C ~ 100°C (TJ)	<b>Number of I/O</b>	240
<b>Moisture Sensitivity Level (MSL)</b>	3 (168 Hours)	<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Flash Size</b>	-	<b>Detailed Description</b>	Dual ARM® Cortex®-A9 MPCore™ with CoreSight™ System On Chip (SOC) IC Arria 10 SX FPGA - 270K Logic Elements 256KB 1.5GHz 672-FBGA (27x27)
<b>Core Processor</b>	Dual ARM® Cortex®-A9 MPCore™ with CoreSight™	<b>Connectivity</b>	EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG
<b>Architecture</b>	MCU, FPGA		

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