

10AS027E1F2911SG



Part Number: 10AS027E1F2911SG

Manufacturer: [Altera \(Intel® Programmable Solutions Group\)](#)

Description: IC SOC FPGA 360 I/O 780FBGA

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

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	10AS027E1F2911SG	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC SOC FPGA 360 I/O 780FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5346 pcs	Data sheet	Arria® 10 Device Overview Arria 10 Device Datasheet Arria 10 Device Overview
Category	Integrated Circuits (ICs)	Supplier Device Package	780-FBGA (29x29)
Speed	1.5GHz	Series	Arria 10 SX
RAM Size	256KB	Primary Attributes	FPGA - 270K Logic Elements
Peripherals	DMA, POR, WDT	Packaging	Tray
Package / Case	780-BBGA, FCBGA	Operating Temperature	-40°C ~ 100°C (TJ)
Number of I/O	360	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 780-FBGA (29x29)	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#: 10AS022E4F29J3SG Description: 780-PIN FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: 10AS027E2F29E1SG Description: IC SOC FPGA 360 I/O 780FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 10AS027E2F29E1HG Description: IC SOC FPGA 360 I/O 780FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: 10AS027E1F2911HG Description: IC SOC FPGA 360 I/O 780FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: 10AS027E2F2711SG Description: IC SOC FPGA 240 I/O 672FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: 10AS027E2F27I2SG Description: 672-PIN FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: 10AS027E1F29E1HG Description: IC SOC FPGA 360 I/O 780FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: 10AS027E1F27E1SG Description: IC SOC FPGA 240 I/O 672FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 10AS027E2F2711HG Description: IC SOC FPGA 240 I/O 672FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: 10AS022E4F29E3SG Description: 780-PIN FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: 10AS027E2F27E2SG Description: 672-PIN FBGA	Manufacturers: Intel® FPGAs	RFQ
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