



Altera (Intel® Programmable Solutions Group)



10AS048E1F29I1SG

Part Number:	10AS048E1F29I1SG
Manufacturer/Brand:	Altera (Intel® Programmable Solutions Group)
Product description	IC SOC FPGA 360 I/O 780FBGA
	 1.10AS048E1F29I1SG.pdf
	 2.10AS048E1F29I1SG.pdf
	 3.10AS048E1F29I1SG.pdf
Datasheets:	
RoHs Status	 Lead free / RoHS Compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Specifications of 10AS048E1F29I1SG

PART NUMBER	10AS048E1F29I1SG
MANUFACTURER	Altera (Intel® Programmable Solutions Group)
DESCRIPTION	IC SOC FPGA 360 I/O 780FBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	 1.10AS048E1F29I1SG.pdf  2.10AS048E1F29I1SG.pdf  3.10AS048E1F29I1SG.pdf
SUPPLIER DEVICE PACKAGE	780-FBGA (29x29)
SPEED	1.5GHz
SERIES	Arria 10 SX
RAM SIZE	256KB
PRIMARY ATTRIBUTES	FPGA - 480K 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 - 480K 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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