



Altera (Intel® Programmable Solutions Group)



Part Number: 10AS048H1F34I1SG

Manufacturer/Brand: Altera (Intel® Programmable Solutions Group)

Product description: IC SOC FPGA 492 I/O 1152FBGA

Datasheets: [1.10AS048H1F34I1SG.pdf](#)
[2.10AS048H1F34I1SG.pdf](#)
[3.10AS048H1F34I1SG.pdf](#)

RoHs Status:  Lead free / RoHS Compliant

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REQUEST FOR QUOTATION

Specifications of 10AS048H1F34I1SG

PART NUMBER	10AS048H1F34I1SG
MANUFACTURER	Altera (Intel® Programmable Solutions Group)
DESCRIPTION	IC SOC FPGA 492 I/O 1152FBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	1.10AS048H1F34I1SG.pdf 2.10AS048H1F34I1SG.pdf 3.10AS048H1F34I1SG.pdf
SUPPLIER DEVICE PACKAGE	1152-FBGA (35x35)
SPEED	1.5GHz
SERIES	Arria 10 SX
RAM SIZE	256KB
PRIMARY ATTRIBUTES	FPGA - 480K Logic Elements
PERIPHERALS	DMA, POR, WDT
PACKAGING	Tray
PACKAGE / CASE	1152-BBGA, FCBGA
OPERATING TEMPERATURE	-40°C ~ 100°C (TJ)
NUMBER OF I/O	492
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 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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