

A2F500M3G-1PQG208I





Part Number: [A2F500M3G-1PQG208I](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA 500K GATES 512KB 208QFP

Data sheet:  [SmartFusion cSoC Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

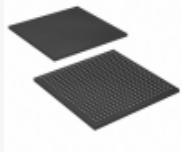
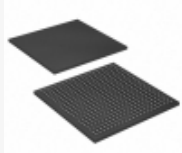
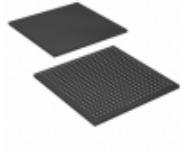
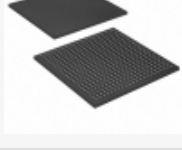
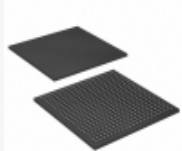
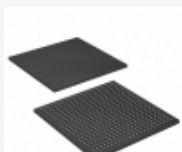
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PRODUCT PARAMETER			
Part Number	A2F500M3G-1PQG208I	Manufacturer	Microsemi
Description	IC FPGA 500K GATES 512KB 208QFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4891 pcs	Data sheet	SmartFusion cSoC Datasheet
Category	Integrated Circuits (ICs)	Supplier Device Package	208-PQFP (28x28)
Speed	100MHz	Series	SmartFusion®
RAM Size	64KB	Primary Attributes	ProASIC®3 FPGA, 500K Gates, 11520 D-Flip-Flops
Peripherals	DMA, POR, WDT	Packaging	Tray
Package / Case	208-BFQFP	Operating Temperature	-40°C ~ 100°C (TJ)
Number of I/O	MCU - 22, FPGA - 66	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Flash Size	512KB
Detailed Description	ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion® ProASIC®3 FPGA, 500K Gates, 11520 D-Flip-Flops 512KB 64KB 100MHz 208-PQFP (28x28)		
Connectivity	Ethernet, I²C, SPI, UART/USART	Core Processor	ARM® Cortex®-M3
Architecture	MCU, FPGA	Base Part Number	A2F500M3G
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	Description: IC FPGA 500K GATES 512KB 484FBGA		
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	Description: IC FPGA 500K GATES 512KB 288-CSP		
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	Part#: A2F500M3G-1FGG256I	Manufacturers: Microsemi	RFQ
	Description: IC FPGA 500K GATES 512KB 256-BGA		
	Part#: A2F500M3G-1FG484M	Manufacturers: Microsemi	RFQ
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	Part#: A2F500M3G-CS288	Manufacturers: Microsemi	RFQ
	Description: IC FPGA 500K GATES 512KB 288-CSP		
	Part#: A2F500M3G-FG256	Manufacturers: Microsemi	RFQ
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	Part#: A2F500M3G-FG484I	Manufacturers: Microsemi	RFQ
	Description: IC FPGA 500K GATES 512KB 484-BGA		

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