

M2S090TS-1FGG676T2



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Part Number: [M2S090TS-1FGG676T2](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC

Data sheet:
 [SmartFusion2 Pin Descriptions](#)
 [SmartFusion2 Product Brief](#)
 [SmartFusion2 Automotive Grade 2 Brief](#)
 [Automotive Product Selector Guide](#)
 [IGL002 FPGA,SmartFusion2 Datasheet](#)
 [SmartFusion2 Datasheet](#)
 [M2GL0xx Product Brief](#)
 [SmartFusion2 SOC IGL002 FPGA Automotive Grade 2 Da](#)

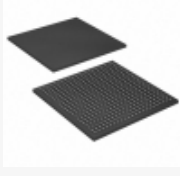
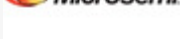
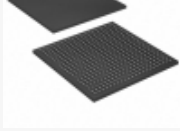
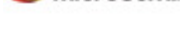
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	M2S090TS-1FGG676T2	Manufacturer	Microsemi
Description	IC FPGA SOC	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	332 pcs	Data sheet	SmartFusion2 Pin Descriptions SmartFusion2 Product Brief SmartFusion2 Autosotive Grade 2 Brief Automotive Product Selector Guide IGL002 FPGA,SmartFusion2 Datasheet SmartFusion2 Datasheet M2GL0xx Product Brief SmartFusion2 SOC IGL002 FPGA
Category	Integrated Circuits (ICs)	Supplier Device Package	Automotive Grade 2 Da 676-FBGA (27x27)
Speed	166MHz	Series	Automotive, AEC-Q100, SmartFusion@2
RAM Size	64KB	Primary Attributes	FPGA - 90K Logic Modules
Peripherals	DDR, PCIe, SERDES	Packaging	Tray
Package / Case	676-BGA	Operating Temperature	-40°C ~ 125°C (TJ)
Number of I/O	425	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 Automotive, AEC-Q100, SmartFusion@2 FPGA - 90K Logic Modules	Core Processor	ARM® Cortex®-M3
Connectivity	CANbus, Ethernet, I²C, SPI, UART/USART, USB	Architecture	MCU, FPGA
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