



Microsemi



Image may be representation. See specifications for product details.

M2S090TS-1FGG676T2

Part Number:	M2S090TS-1FGG676T2
Manufacturer/Brand:	Microsemi
Product description	IC FPGA SOC
	1.M2S090TS-1FGG676T2.pdf
	2.M2S090TS-1FGG676T2.pdf
	3.M2S090TS-1FGG676T2.pdf
	4.M2S090TS-1FGG676T2.pdf
	5.M2S090TS-1FGG676T2.pdf
	6.M2S090TS-1FGG676T2.pdf
	7.M2S090TS-1FGG676T2.pdf
	8.M2S090TS-1FGG676T2.pdf
Datasheets:	
RoHs Status	 Lead free / RoHS Compliant
Ship From	Hong Kong
	DHL/Fedex/TNT/UPS/EMS
	REQUEST FOR QUOTATION

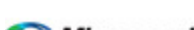
Specifications of M2S090TS-1FGG676T2

PART NUMBER	M2S090TS-1FGG676T2
MANUFACTURER	Microsemi
DESCRIPTION	IC FPGA SOC
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	1.M2S090TS-1FGG676T2.pdf 2.M2S090TS-1FGG676T2.pdf 3.M2S090TS-1FGG676T2.pdf 4.M2S090TS-1FGG676T2.pdf 5.M2S090TS-1FGG676T2.pdf 6.M2S090TS-1FGG676T2.pdf 7.M2S090TS-1FGG676T2.pdf 8.M2S090TS-1FGG676T2.pdf
SUPPLIER DEVICE PACKAGE	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 512KB 64KB 166MHz 676-FBGA (27x27)
CORE PROCESSOR	ARM® Cortex®-M3
CONNECTIVITY	CANbus, Ethernet, I²C, SPI, UART/USART, USB
ARCHITECTURE	MCU, FPGA

Related Tags

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Microsemi Power Products Group M2S090TS-1FGG676T2	Microsemi SoC M2S090TS-1FGG676T2	Microsemi Commercial Components Group M2S090TS-1FGG676T2
Microsemi Corporation M2S090TS-1FGG676T2	Microsemi Solutions Sdn Bhd. M2S090TS-1FGG676T2	

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 M2S090TS-FCS325 Manufacturers: Microsemi Description: IC FPGA SOC 90K LUTS In stock: Out stock RFQ	 M2S090TS-1FGG676I Manufacturers: Microsemi Description: IC FPGA SOC 90K LUTS 676FBGA In stock: Out stock RFQ
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