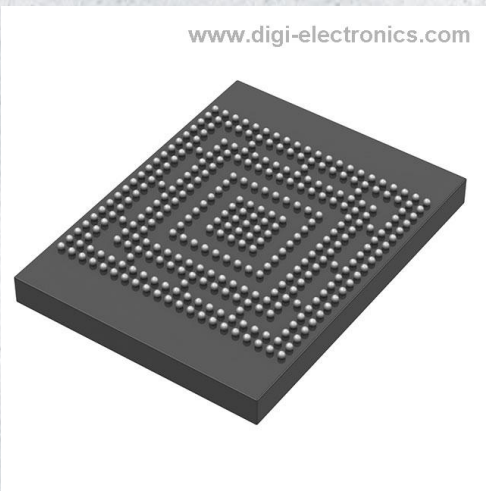
M2S090-1FCSG325I Datasheet



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DiGi Electronics Part Number	M2S090-1FCSG325I-DG
Manufacturer	Microchip Technology
Manufacturer Product Number	M2S090-1FCSG325I
Description	IC SOC CORTEX-M3 166MHZ 325BGA
Detailed Description	ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion®2 FPGA - 90K Logic Modules 166MHz 325-FCBGA (11x13.5)

This model M2S090-1FCSG325I is available at DiGi Electronics.

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Manufacturer Product Number:	Manufacturer:
M2S090-1FCSG325I	Microchip Technology
Series:	Product Status:
SmartFusion®2	Active
Architecture:	Core Processor:
MCU, FPGA	ARM® Cortex®-M3
Flash Size:	RAM Size:
512KB	64KB
Peripherals:	Connectivity:
DDR, PCIe, SERDES	CANbus, Ethernet, I2C, SPI, UART/USART, USB
Speed:	Primary Attributes:
166MHz	FPGA - 90K Logic Modules
Operating Temperature:	Package / Case:
-40°C ~ 100°C (TJ)	325-TFBGA, FCBGA
Supplier Device Package:	Number of I/O:
325-FCBGA (11x13.5)	180
Base Product Number:	
M2S090	

Environmental & Export classification

RoHS Status:	Moisture Sensitivity Level (MSL):
ROHS3 Compliant	3 (168 Hours)
REACH Status:	ECCN:
REACH Unaffected	3A991D
HTSUS:	
8542.39.0001	

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