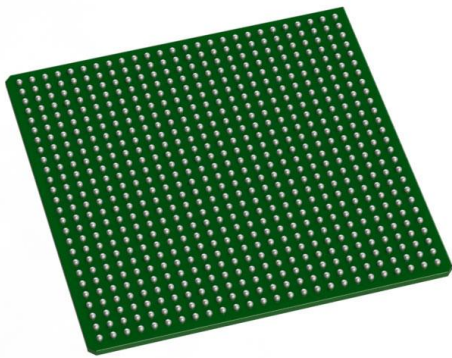


# M2S090TS-FGG676 Datasheet

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DiGi Electronics Part Number	M2S090TS-FGG676-DG
Manufacturer	<a href="#">Microchip Technology</a>
Manufacturer Product Number	M2S090TS-FGG676
Description	IC SOC CORTEX-M3 166MHZ 676FBGA
Detailed Description	ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion®2 FPGA - 90K Logic Modules 166MHz 676-FBGA (27x27)

This model M2S090TS-FGG676 is available at DiGi Electronics.

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## Purchase and inquiry

Manufacturer Product Number:

M2S090TS-FGG676

Series:

SmartFusion®2

Architecture:

MCU, FPGA

Flash Size:

512KB

Peripherals:

DDR, PCIe, SERDES

Speed:

166MHz

Operating Temperature:

0°C ~ 85°C (TJ)

Supplier Device Package:

676-FBGA (27x27)

Base Product Number:

M2S090

Manufacturer:

Microchip Technology

Product Status:

Active

Core Processor:

ARM® Cortex®-M3

RAM Size:

64KB

Connectivity:

CANbus, Ethernet, I2C, SPI, UART/USART, USB

Primary Attributes:

FPGA - 90K Logic Modules

Package / Case:

676-BGA

Number of I/O:

425

## Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8542.39.0001

Moisture Sensitivity Level (MSL):

3 (168 Hours)

ECCN:

3A991D

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