

M2S050T-FGG896I Datasheet



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DiGi Electronics Part Number	M2S050T-FGG896I-DG
Manufacturer	Microchip Technology
Manufacturer Product Number	M2S050T-FGG896I
Description	IC SOC CORTEX-M3 166MHZ 896FBGA
Detailed Description	ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion®2 FPGA - 50K Logic Modules 166MHz 896-FBGA (31x31)

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Manufacturer Product Number:

M2S050T-FGG896I

Series:

SmartFusion®2

Architecture:

MCU, FPGA

Flash Size:

256KB

Peripherals:

DDR, PCIe, SERDES

Speed:

166MHz

Operating Temperature:

-40°C ~ 100°C (TJ)

Supplier Device Package:

896-FBGA (31x31)

Base Product Number:

M2S050

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 - 50K Logic Modules

Package / Case:

896-BGA

Number of I/O:

377

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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