

# M2S025TS-1FCSG325I Datasheet

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DiGi Electronics Part Number	M2S025TS-1FCSG325I-DG
Manufacturer	<a href="#">Microchip Technology</a>
Manufacturer Product Number	M2S025TS-1FCSG325I
Description	IC SOC CORTEX-M3 166MHZ 325BGA
Detailed Description	ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion®2 FPGA - 25K Logic Modules 166MHz 325-FCBGA (11x11)

This model M2S025TS-1FCSG325I is available at DiGi Electronics.

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## Purchase and inquiry

### Manufacturer Product Number:

M2S025TS-1FC5G325I

### 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:

325-FCBGA (11x11)

### Base Product Number:

M2S025

### 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 - 25K Logic Modules

### Package / Case:

325-TFBGA, FCBGA

### Number of I/O:

180

## 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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