

	M2S010S-1TQG144
	Manufacturer Part Number: M2S010S-1TQG144
	Manufacturer/Brand: Microsemi
	Part of Description: IC FPGA SOC
Datasheets:  M2S010S-1TQG144.pdf	RoHS Status:  Lead free / RoHS
Stock Condition: Compliant New original, Stock Available.	Ship From: Hong Kong
Image may be representation. See specs for product details.	Shipment Way: DHL/Fedex/TNT/UPS/EMS









Specifications

Part Number	M2S010S-1TQG144
Manufacturer	Microsemi
Description	IC FPGA SOC
Category	Integrated Circuits (ICs) > Embedded - System On Chip
Part Status	Require For Quote & Check Stock
Series	SmartFusion@2
Operating Temperature	0°C ~ 85°C (TJ)
Peripherals	DDR, PCIe, SERDES
Primary Attributes	FPGA - 10K Logic Modules
Core Processor	ARM@ Cortex@-M3
Speed	166MHz
Architecture	MCU, FPGA
Number of I/O	84
Connectivity	CAN, Ethernet, I ² C, SPI, UART/USART, USB
MCU Flash	256KB
MCU RAM	64KB

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












































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 M2S010S-1VFG400I Microsemi IC FPGA SOC 10K LUTS 400VFBGA	 M2S010S-VFG400I Microsemi IC FPGA SOC 10K LUT 400VFBGA	 M2S010S-TQ144I Microsemi IC FPGA SOC	 M2S010S-1TQ144 Microsemi IC FPGA SOC

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|  AAT1151IKS-3.3-T1 |  AD8293G160BRJZ-R7 |  AP2191MPG-13-89 |  APIDC23-960 |  BSM200GA170DN2S |
|  C3225X7R1E225M/8 |  CGA6P1X7S3D222K250AA |  CS51411GDR8G |  FDD8444L_F085 |  FSDM0465REWDTU |
|  GRM2196T2A7R7DD01D |  GRT31CC80J476ME13L |  HMC199MS8 |  HS153SN-J |  K9F1208ROC-JIBO |
|  LB11967V-ND-TLM-E |  LFL212G45TC1A023 |  LQH32CN151K34L |  LTM9003V-AC |  MB15F73ULPVA-G-EFC |
|  MC33362DW |  MIC5203-3.0YM5 |  OPA355QDBVRQ1 |  OPA683IDBVR |  PCMG063T-2R2MS |
|  PHMB600BS12C |  PM200DVA-120 |  RC0402FR-1132 |  RT9262ACS |  SI1917EDH-T1 |
|  SI4943CDY-T1-GE3-S |  SKNH56/02E |  SKT551/18E |  SKY77252-13 |  SN65LVDM22PWR |
|  SP2526A-2EN-L/TR |  SP809EK-L-4-0 |  SS2PH10-E3/85A |  SV28-12-100-14 |  T85N06BOF |
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