



MEC1418-SZ

Manufacturer Part Number	MEC1418-SZ
Manufacturer	Microchip Technology
Allelco Part Number	32D-MEC1418-SZ
ECAD Model	Request Free CAD Models
Parts Description	MEC, MIPS CORE, 192K SRAM, LPC &
Package	144-WFBGA
Data sheet	MEC140x,41x Datasheet.pdf
RoHS Status	ROHS3 Compliant



Get a Quote

MEC1418-SZ - Microchip Technology. New Original in Stock. Download Linear Technology MEC1418-SZ datasheet/specifications on AllelcoElec.com.
Request a quote for MEC1418-SZ, please send us email: info@allelco.com

Specifications

MEC1418-SZ Tech Specifications

MEC1418-SZ - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Operating Temperature	0°C ~ 70°C
Voltage - Supply	1.71V ~ 3.465V	Number of I/O	106
Supplier Device Package	144-WFBGA (9x9)	Mounting Type	Surface Mount
Series	-	Interface	I ² C, LPC, SMBus, SPI, UART
RAM Size	192KB	Core Processor	MIPS32® M14K™
Program Memory Type	External Program Memory	Controller Series	-
Package / Case	144-WFBGA	Base Product Number	MEC1418
Package	Tray	Applications	Keyboard and Embedded Controller

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MEC1418-SZ

Product Attribute	NO PICTURE			
Part Number	MEC1418-SZ	MEC1609-PZP	MEC1416-NU	MEC1408-NU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Controller Series	-	-	-	-
Interface	I ² C, LPC, SMBus, SPI, UART	ACPI, BC-Link, I ² C/SMBus, LPC, PECl, PS/2, SPI, VLPC	I ² C, LPC, SMBus, SPI, UART	I ² C, LPC, SMBus, SPI, UART
Voltage - Supply	1.71V ~ 3.465V	3.3V	1.71V ~ 3.465V	1.71V ~ 3.465V
Program Memory Type	External Program Memory	FLASH (192kB)	External Program Memory	External Program Memory
Number of I/O	106	115	106	106
Applications	Keyboard and Embedded Controller	I/O Controller	Keyboard and Embedded Controller	Keyboard and Embedded Controller
Base Product Number	MEC1418	MEC1609	MEC1416	MEC1408
RAM Size	192KB	16KB	160KB	192KB
Supplier Device Package	144-WFBGA (9x9)	144-LFBGA (10x10)	128-VTQFP (14x14)	128-VTQFP (14x14)
Package / Case	144-WFBGA	144-LFBGA	128-TQFP	128-TQFP
Package	Tray	Tray	Tray	Tray
Core Processor	MIPS32® M14K™	ARC-625D	MIPS32® M14K™	MIPS32® M14K™
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	-	-	-	-
Operating Temperature	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C

MEC1418-SZ Datasheet PDF

Download MEC1418-SZ pdf datasheets and Microchip Technology documentation for MEC1418-SZ - Microchip Technology.

Datasheets

[MEC140x,41x Datasheet.pdf](#)

PCN Packaging

[Label and Packing Changes 23/Sep/2015.pdf](#)

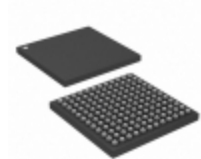
[MBB/Label Chgs 16/Nov/2018.pdf](#)

PCN Design/Specification

[MEC140X/1X DataSheet Revision 21/Oct/2016.pdf](#)

Customers Also Interested in

Recommended Products



MEC1324-LZY

SMSC



NO PICTURE

MEC1619L-AJZP

SMSC



NO PICTURE

MEC1618-AJZP

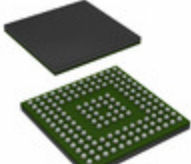
SMSC

MEC1609-PZPMicrochip Technology
IC EMBEDDED CTRL

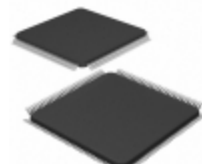
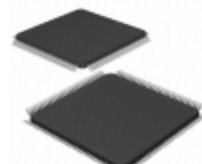
NO PICTURE

MEC1428-NU

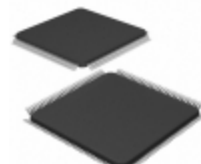
MICROCHIP

**MEC1428-SZ-C1-TR**Microchip Technology
SRAM**MEC1404-SZ**

Micrel / Microchip Technology

**MEC1416-NU**Microchip Technology
MEC, MIPS CORE, 160K SRAM, LPC &**MEC1418-NU**Microchip Technology
IC MEC 192K SRAM 128VTQFP**MEC1322-SZ**

Micrel / Microchip Technology

**MEC1408-NU**Microchip Technology
IC MEC 192K SRAM 128VTQFP

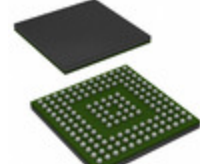
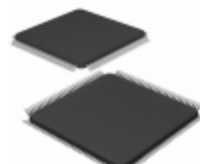
NO PICTURE

MEC1324-NU

SMSC

MEC1621-RZP

SMSC

**MEC1428-SZ-C1**Microchip Technology
SRAM**MEC1428-I/NU-C1**Microchip Technology
SRAM**MEC1322-SZ-C0-TR**

Micrel / Microchip Technology

**MEC1406-NU**Microchip Technology
IC MEC 160K SRAM 128VTQFP**MEC1404-NU**Microchip Technology
IC MEC 128K SRAM 128VTQFP

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Efficient Supply
Management



Cost-Saving
Procurement



Fast Sourcing &
Delivery

Contact us if you have any questions.



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Certifications & Memberships



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