



MAX32590-L5S+

Manufacturer Part Number	MAX32590-L5S+
Manufacturer	Maxim Integrated
Allelco Part Number	32D-MAX32590-L5S+
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT ROMLESS 324CSBGA
Package	324-LFBGA, CSBGA
Data sheet	MAX32590 Abridged Datasheet.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

MAX32590-L5S+ - Analog Devices Inc./Maxim Integrated.New Original in Stock. Download Linear Technology MAX32590-L5S+ datasheet/specifications on AllelcoElec.com.
Request a quote for MAX32590-L5S+, please send us email: info@allelco.com

Specifications

MAX32590-L5S+ Tech Specifications

MAX32590-L5S+ - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	Package	Tray
Supplier Device Package	324-CSBGA (15x15)	Number of I/O	160
Speed	400MHz	Mounting Type	Surface Mount
Series	DeepCover®	EEPROM Size	-
RAM Size	384K x 8	Data Converters	A/D 3x10b
Program Memory Type	ROMless	Core Size	32-Bit Single-Core
Program Memory Size	-	Core Processor	ARM926EJ-S
Peripherals	DMA, I²S, LCD, PWM, WDT	Connectivity	EBI/EMI, Ethernet, I²C, SD/SDHC/SDIO, SmartCard, SPI, UART/USART, USB
Package / Case	324-LFBGA, CSBGA	Base Product Number	MAX32590

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated MAX32590-L5S+

Product Attribute	NO PICTURE			
Part Number	MAX32590-L5S+	MAX32555-LNS+	MAX32550-LNS+	MAX32552-LNJ+
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Core Processor	ARM926EJ-S	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Number of I/O	160	70	70	64
EEPROM Size	-	-	-	-
Series	DeepCover®	DeepCover®	DeepCover®	DeepCover®
Package	Tray	Tray	Tray	Tray
Data Converters	A/D 3x10b	A/D 6x10b; D/A 1x8b	A/D 2x10b; A/D 1x8b	A/D 2x10b; A/D 1x8b
Base Product Number	MAX32590	MAX32555	MAX32550	MAX32552
Program Memory Type	ROMless	FLASH	FLASH	FLASH
Connectivity	EBI/EMI, Ethernet, I²C, SD/SDHC/SDIO, SmartCard, SPI, UART/USART, USB	I²C, SPI, UART/USART, USB	I²C, SPI, UART/USART	I²C, SPI, UART/USART, USB
Speed	400MHz	60MHz	108MHz	108MHz
Peripherals	DMA, I²S, LCD, PWM, WDT	DMA, LCD, PWM, WDT	DMA, PWM	DMA, LCD, PWM, WDT
RAM Size	384K x 8	96K x 8	256K x 8	384K x 8
Package / Case	324-LFBGA, CSBGA	121-LFBGA	121-LFBGA	121-LFBGA
Program Memory Size	-	512KB (512K x 8)	1MB (1M x 8)	1MB (1M x 8)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	324-CSBGA (15x15)	121-CTBGA (8x8)	121-CTBGA (8x8)	121-CTBGA (8x8)

MAX32590-L5S+ Datasheet PDF

Download MAX32590-L5S+ pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for MAX32590-L5S+ - Analog Devices Inc./Maxim Integrated.

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Application Notes

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Ensuring the Complete Life-Cycle Security of Smart.pdf



















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Recommended Products

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 MAX32555 Analog Devices / Maxim Integrated	 MAX32552-LNJ+ Analog Devices Inc./Maxim Integrated IC MCU 32BIT 1MB FLASH 121CTBGA	 MAX32590-L5J+ Analog Devices Inc./Maxim Integrated IC MCU 32BIT ROMLESS 324CSBGA	 MAX32555-LNS+T Analog Devices Inc./Maxim Integrated IC MCU 32BIT 512KB FLSH 121CTBGA	 MAX32550-LNJ Analog Devices / Maxim Integrated	 MAX32590+ Analog Devices / Maxim Integrated
 MAX32590-LNJ+ Analog Devices Inc./Maxim Integrated IC MCU 32BIT ROMLESS 324CSBGA	 MAX325CSA+T Analog Devices Inc./Maxim Integrated IC SW SPST-NO/NCX2 600HM 8SOIC	 MAX32555-LND+ Analog Devices Inc./Maxim Integrated IC MCU 32BIT 512KB FLSH 121CTBGA	 MAX32590S+ Analog Devices / Maxim Integrated	 MAX32565-LNJ+ Analog Devices / Maxim Integrated	 MAX32590-LNS+ Analog Devices Inc./Maxim Integrated IC MCU 32BIT ROMLESS 324CSBGA

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
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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Certifications & Memberships



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Contact us

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