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See specifications for product details.



LPC54018JET180E

Manufacturer Part Number	LPC54018JET180E
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-LPC54018JET180E
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT ROMLESS 180TFBGA
Package	180-TFBGA
Data sheet	LPC540xx Fact Sheet.pdf LPC540xx/LPC54S0xx.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

LPC54018JET180E - NXP USA Inc..New Original in Stock. Download Linear Technology LPC54018JET180E datasheet/specifications on AllelcoElec.com.
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Specifications

LPC54018JET180E Tech Specifications

LPC54018JET180E - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	180-TFBGA (12x12)	Number of I/O	145
Speed	180MHz	Mounting Type	Surface Mount
Series	LPC540xx	EEPROM Size	-
RAM Size	360K x 8	Data Converters	A/D 12x12b
Program Memory Type	ROMless	Core Size	32-Bit Single-Core
Program Memory Size	-	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SmartCard, SPI, SPIFI, UART/USART, USB
Package / Case	180-TFBGA	Base Product Number	LPC54018
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. LPC54018JET180E

Product Attribute				
Part Number	LPC54018JET180E	LPC54101J256UK49Z	LPC54101J256BD64QL	LPC54101J512UK49Z
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
RAM Size	360K x 8	104K x 8	104K x 8	104K x 8
Package / Case	180-TFBGA	49-UFBGA, WLCSF	64-LQFP	49-UFBGA, WLCSF
Supplier Device Package	180-TFBGA (12x12)	49-WLCSF (3.29x3.29)	64-LQFP (10x10)	49-WLCSF (3.29x3.29)
Base Product Number	LPC54018	LPC54101	LPC54101	LPC54101
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Type	ROMless	FLASH	FLASH	FLASH
Data Converters	A/D 12x12b	A/D 12x12b	A/D 12x12b	A/D 12x12b
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
EEPROM Size	-	-	-	-
Program Memory Size	-	256KB (256K x 8)	256KB (256K x 8)	512KB (512K x 8)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Connectivity	CANbus, EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SmartCard, SPI, SPIFI, UART/USART, USB	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Number of I/O	145	39	50	39
Speed	180MHz	100MHz	100MHz	100MHz
Package	Tray	Tape & Reel (TR)	Tray	Tape & Reel (TR)
Oscillator Type	Internal	Internal	Internal	Internal
Series	LPC540xx	LPC54100	LPC54100	LPC54100
Peripherals	Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4

LPC54018JET180E Datasheet PDF

Download LPC54018JET180E pdf datasheets and NXP USA Inc. documentation for LPC54018JET180E - NXP USA Inc..


Datasheets

[LPC540xx Fact Sheet.pdf](#)

[LPC540xx/LPC54S0xx.pdf](#)


Environmental Information

 NXP USA Inc REACH.pdf

 NXP USA Inc RoHS Cert.pdf

PCN Packaging

 Mult Dev Pkg Seal 15/Dec/2020.pdf


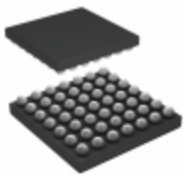

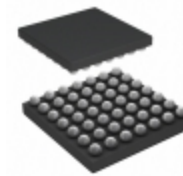




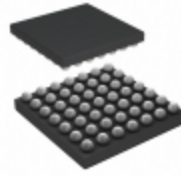






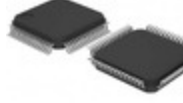


 Package Changes 17/Jun/2021.pdf

PCN Design/Specification

 Mult Dev Design Chg 27/Oct/2019.pdf

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Recommended Products

					
LPC54101J512BD64 Freescale / NXP Semiconductors	LPC54101J256UK49Z NXP USA Inc. IC MCU 32BIT 256KB FLASH 49WLCSP	LPC54101J256BD64QL NXP USA Inc. IC MCU 32BIT 256KB FLASH 64LQFP	LPC54101J512UK49Z NXP USA Inc. IC MCU 32BIT 512KB FLASH 49WLCSP	LPC54102J256BD64 Freescale / NXP Semiconductors	LPC47U332QFP SMSC ENHANCED SUPER I/O WITH LPC INTE
					
LPC54101J256BD64 Freescale / NXP Semiconductors	LPC54016JBD208E NXP USA Inc. IC MCU 32BIT ROMLESS 208LQFP	LPC54102J256UK49Z NXP USA Inc. IC MCU 32BIT 256KB FLASH 49WLCSP	LPC500206MS00011 MOTOROLA	LPC51U68JBD48E NXP USA Inc. IC MCU 32BIT 256KB FLASH 48LQFP	LPC51U68JBD64 Freescale / NXP Semiconductors
					
LPC51U68JBD48 Freescale / NXP Semiconductors	LPC54102J512 UK49 1B Freescale / NXP Semiconductors	LPC54002J512UK49 Freescale / NXP Semiconductors	LPC54102J256BD64QL NXP USA Inc. IC MCU 32BIT 256KB FLASH 64LQFP	LPC54016JET180 NXP USA Inc. IC MCU 32BIT ROMLESS 180TFBGA	LPC54018J4MET180 Freescale / NXP Semiconductors

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.



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-  Efficient Supply Management
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-  Fast Sourcing & Delivery

Contact us if you have any questions.

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