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See specifications for product details.



SPC5645SF1VVU

Manufacturer Part Number	SPC5645SF1VVU
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-SPC5645SF1VVU
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 2MB FLASH 416PBGA
Package	416-BBGA
Data sheet	MPC5645S.pdf
	MPC5645S.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SPC5645SF1VVU - NXP USA Inc..New Original in Stock. Download Linear Technology SPC5645SF1VVU datasheet/specifications on AllelcoElec.com.
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Specifications

SPC5645SF1VVU Tech Specifications

SPC5645SF1VVU - 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)	3V ~ 5.5V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	416-PBGA (27x27)	Number of I/O	177
Speed	125MHz	Mounting Type	Surface Mount
Series	MPC56xxS Qorivva	EEPROM Size	-
RAM Size	1.064M x 8	Data Converters	A/D 20x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	2MB (2M x 8)	Core Processor	e200z4d
Peripherals	DMA, POR, PWM, WDT	Connectivity	CANbus, I ² C, LINbus, SCI, SPI
Package / Case	416-BBGA	Base Product Number	SPC5645
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. SPC5645SF1VVU

Product Attribute				
Part Number	SPC5645SF1VVU	SPC564A70L7COBR	SPC5645SF1VVU	SPC5645SF1VLT
Manufacturer	NXP USA Inc.	STMicroelectronics	Freescale Semiconductor	NXP USA Inc.
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Series	MPC56xxS Qorivva	Automotive, AEC-Q100, SPC56	MPC56xxS Qorivva	MPC56xxS Qorivva
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 20x10b	A/D 34x12b	A/D 20x10b	A/D 20x10b
Supplier Device Package	416-PBGA (27x27)	176-LQFP (24x24)	416-PBGA (27x27)	208-TQFP (28x28)
Connectivity	CANbus, I ² C, LINbus, SCI, SPI	CANbus, EBI/EMI, LINbus, SCI, SPI	CANbus, I ² C, LINbus, SCI, SPI	CANbus, I ² C, LINbus, SCI, SPI
Program Memory Size	2MB (2M x 8)	2MB (2M x 8)	2MB (2M x 8)	2MB (2M x 8)
EEPROM Size	-	-	-	-
Peripherals	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT
Package	Bulk	Tape & Reel (TR)	Bulk	Tray
Base Product Number	SPC5645	SPC564	SPC5645	SPC5645
Package / Case	416-BBGA	176-LQFP	416-BBGA	208-LQFP
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Number of I/O	177	150	177	150
Core Processor	e200z4d	e200z4	e200z4d	e200z4d
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	1.14V ~ 1.32V	3V ~ 5.5V	3V ~ 5.5V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	1.064M x 8	128K x 8	1.064M x 8	1.064M x 8
Speed	125MHz	120MHz	125MHz	125MHz

SPC5645SF1VVU Datasheet PDF

Download SPC5645SF1VVU pdf datasheets and NXP USA Inc. documentation for SPC5645SF1VVU - NXP USA Inc..

Datasheets


[MPC5645S.pdf](#)


PCN Packaging

[All Dev Label Update 15/Dec/2020.pdf](#)

[Mult Dev Pkg Seal 15/Dec/2020.pdf](#)

Environmental Information

 NXP USA Inc REACH.pdf
















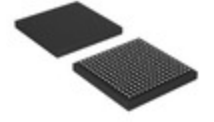


 NXP USA Inc RoHS Cert.pdf

HTML Datasheet

 MPC5645S.pdf

Customers Also Interested in

Recommended Products

					
SPC564A70L7COBR STMicroelectronics IC MCU 32BIT 2MB FLASH 176LQFP	SPC5645SF1VL Freescale / NXP Semiconductors	SPC5645SF1VWU Freescale Semiconductor IC MCU 32BIT 2MB FLASH 416PBGA	SPC5645SF1VLT NXP USA Inc. IC MCU 32BIT 2MB FLASH 208TQFP	SPC5645SF1VLU Analog Devices Inc. MPC5645S - RAINBOW -NXP 32-bit M	SPC564A70L7CFAY STMicroelectronics IC MCU 32BIT 2MB FLASH 176LQFP
					
SPC5644CK0VLU1 NXP USA Inc. IC MCU 32BIT 1.5MB FLASH 176LQFP	SPC5646CF0MLT1 NXP USA Inc. IC MCU 32BIT 3MB FLASH 208TQFP	SPC5644CVLU1 Freescale / NXP Semiconductors	SPC564A80L7CFA NA	SPC5645SF1VLU NXP USA Inc. IC MCU 32BIT 2MB FLASH 176LQFP	SPC5646BF0MLU1 NXP USA Inc. IC MCU 32BIT 3MB FLASH 176LQFP
					
SPC5645CF0MLU1 NXP USA Inc. IC MCU 32BIT 2MB FLASH 176LQFP	SPC5644CK0MLT1 Analog Devices Inc. MPC5644C - BOLERO 3M-NXP 32-bit	SPC5644CK0MLT1 NXP USA Inc. IC MCU 32BIT 1.5MB FLASH 208TQFP	SPC5646CCF0MMJ1 NXP USA Inc. IC MCU 32BIT 3MB FLASH 256MAPBGA	SPC5646CCMLV1 Freescale / NXP Semiconductors	SPC5645CF0MLU1 Analog Devices Inc. MPC5645C - BOLERO 3M-NXP 32-bit

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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