



# SPC5748GGK1MMJ6R

Manufacturer Part Number	<b>SPC5748GGK1MMJ6R</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-SPC5748GGK1MMJ6R
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 6MB FLSH 256MAPPBGA
Package	256-LBGA
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	ROHS3 Compliant

Get a Quote

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## Specifications

SPC5748GGK1MMJ6R Tech Specifications  
SPC5748GGK1MMJ6R - 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 ~ 125°C (TA)
Supplier Device Package	256-MAPPBGA (17x17)	Number of I/O	178
Speed	80MHz/160MHz	Mounting Type	Surface Mount
Series	MPC57xx	EEPROM Size	-
RAM Size	768K x 8	Data Converters	A/D 80x10b, 64x12b
Program Memory Type	FLASH	Core Size	32-Bit Tri-Core
Program Memory Size	6MB (6M x 8)	Core Processor	e200z2, e200z4, e200z4
Peripherals	DMA, LVD, POR, WDT	Connectivity	CANbus, Ethernet, I <sup>2</sup> C, LINbus, SAI, SPI, USB, USB OTG
Package / Case	256-LBGA	Base Product Number	SPC5748
Package	Tape & Reel (TR)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. SPC5748GGK1MMJ6R

Product Attribute				
Part Number	SPC5748GGK1MMJ6R	SPC5748GK0AMMJ6R	SPC5747GK1CKU2	SPC5747CK0AVMN6
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Program Memory Size	6MB (6M x 8)	6MB (6M x 8)	4MB (4M x 8)	4MB (4M x 8)
Data Converters	A/D 80x10b, 64x12b	A/D 80x10b, 64x12b	A/D 80x10b, 64x12b	A/D 80x10b, 64x12b
RAM Size	768K x 8	768K x 8	768K x 8	512K x 8
Series	MPC57xx	MPC57xx	MPC57xx	MPC57xx
Program Memory Type	FLASH	FLASH	FLASH	FLASH
EEPROM Size	-	-	-	-
Oscillator Type	Internal	Internal	Internal	Internal
Base Product Number	SPC5748	SPC5748	SPC5747	SPC5747
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Connectivity	CANbus, Ethernet, I <sup>2</sup> C, LINbus, SAI, SPI, USB, USB OTG	CANbus, Ethernet, I <sup>2</sup> C, LINbus, SAI, SPI, USB, USB OTG	CANbus, Ethernet, I <sup>2</sup> C, LINbus, SAI, SPI, USB, USB OTG	CANbus, Ethernet, I <sup>2</sup> C, LINbus, SAI, SPI, USB, USB OTG
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bulk	Tray
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	80MHz/160MHz	80MHz/160MHz	80MHz/120MHz	80MHz/160MHz
Number of I/O	178	178	129	246
Core Processor	e200z2, e200z4, e200z4	e200z2, e200z4, e200z4	e200z2, e200z4, e200z4	e200z2, e200z4
Core Size	32-Bit Tri-Core	32-Bit Tri-Core	32-Bit Tri-Core	32-Bit Dual-Core
Supplier Device Package	256-MAPPBGA (17x17)	256-MAPPBGA (17x17)	176-LQFP (24x24)	324-MAPBGA (19x19)
Peripherals	DMA, LVD, POR, WDT	DMA, LVD, POR, WDT	DMA, LVD, POR, WDT	DMA, LVD, POR, WDT
Package / Case	256-LBGA	256-LBGA	176-LQFP Exposed Pad	324-LBGA

## SPC5748GGK1MMJ6R Datasheet PDF

Download SPC5748GGK1MMJ6R pdf datasheets and NXP USA Inc. documentation for SPC5748GGK1MMJ6R - NXP USA Inc..

### Datasheets


Cylindrical Battery Holders.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

## PCN Assembly/Origin

 2.73KHz.pdf

## PCN Design/Specification

 Cylindrical Battery Holders.pdf

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### Recommended Products



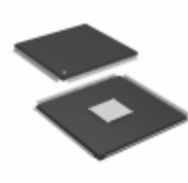
#### SPC5748GK0AMMJ6R

NXP USA Inc.  
IC MCU 32BIT 6MB FLSH  
256MAPPBGA



#### SPC5747CCMJ6

Freescale / NXP Semiconductors



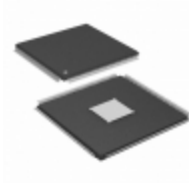
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NXP USA Inc.  
IC MCU 32BIT 4MB FLASH 176LQFP



#### SPC5747CK0AVMN6

NXP USA Inc.  
IC MCU 32BIT 4MB FLASH  
324MAPBGA



#### SPC5748GHK0AMKU6

NXP USA Inc.  
IC MCU 32BIT 6MB FLASH 176LQFP



#### SPC5748GGMMJ6 1N81M

Freescale / NXP Semiconductors



#### SPC5747CK1CMJ6

NXP USA Inc.  
IC MCU 32BIT 4MB FLSH  
256MAPPBGA



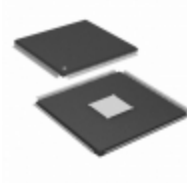
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NXP USA Inc.  
IC MCU 32BIT 6MB FLSH  
256MAPPBGA



#### SPC5747CBK0ACKU6

NXP USA Inc.  
IC MCU 32BIT 4MB FLASH 176LQFP



#### SPC5748GK1MKU6

NXP USA Inc.  
IC MCU 32BIT 6MB FLASH 176LQFP



#### SPC5748GGK1MMJ6

NXP USA Inc.  
IC MCU 32BIT 6MB FLSH  
256MAPPBGA



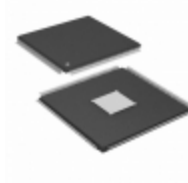
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NXP USA Inc.  
IC MCU 32BIT 6MB FLSH  
256MAPPBGA



#### SPC5748GSK1MMJ6

NXP USA Inc.  
IC MCU 32BIT 6MB FLSH  
256MAPPBGA



#### SPC5748GBK0AVKU6

NXP USA Inc.  
IC MCU 32BIT 6MB FLASH 176LQFP



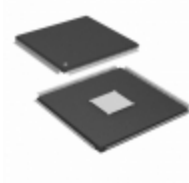
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Infineon Technologies  
MPC5748G - CALYPSO 6M-NXP 32-bit



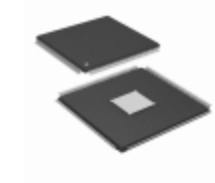
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#### SPC5747CK1MKU6

NXP USA Inc.  
IC MCU 32BIT 4MB FLASH 176LQFP



#### SPC5748GSK1MKU6

NXP USA Inc.  
IC MCU 32BIT 6MB FLASH 176LQFP

## 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

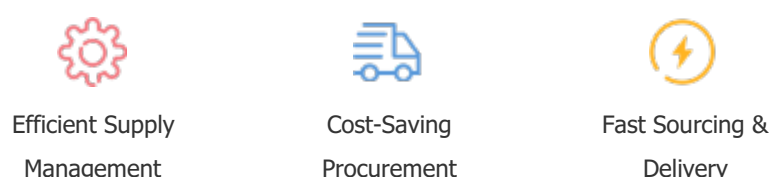
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### 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 -



Contact us if you have any questions.



### Certifications & Memberships



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