



SPC5748GSK0AMMJ6

Manufacturer Part Number	SPC5748GSK0AMMJ6
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-SPC5748GSK0AMMJ6
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 6MB FLSH 256MAPPBGA
Package	256-LBGA
Data sheet	SPC5748GSK0AMMJ6.pdf
RoHs Status	ROHS3 Compliant

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Specifications

SPC5748GSK0AMMJ6 Tech Specifications
SPC5748GSK0AMMJ6 - 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 ² C, LINbus, SAI, SPI, USB, USB OTG
Package / Case	256-LBGA	Base Product Number	SPC5748
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. SPC5748GSK0AMMJ6

Product Attribute				
Part Number	SPC5748GSK0AMMJ6	SPC5777CCK3MME3	SPC5748GK1MKU6	SPC5748GSK1MMJ6
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Number of I/O	178	-	129	178
Oscillator Type	Internal	Internal	Internal	Internal
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)
Supplier Device Package	256-MAPPBGA (17x17)	416-MAPBGA (27x27)	176-LQFP (24x24)	256-MAPPBGA (17x17)
Program Memory Size	6MB (6M x 8)	8MB (8M x 8)	6MB (6M x 8)	6MB (6M x 8)
Package / Case	256-LBGA	416-BGA	176-LQFP Exposed Pad	256-LBGA
EEPROM Size	-	-	-	-
RAM Size	768K x 8	512K x 8	768K x 8	768K x 8
Package	Tray	Tray	Tray	Tray
Core Size	32-Bit Tri-Core	32-Bit Tri-Core	32-Bit Tri-Core	32-Bit Tri-Core
Data Converters	A/D 80x10b, 64x12b	A/D 16b Sigma-Delta, eQADC	A/D 80x10b, 64x12b	A/D 80x10b, 64x12b
Speed	80MHz/160MHz	264MHz	80MHz/160MHz	80MHz/160MHz
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	e200z2, e200z4, e200z4	e200z7	e200z2, e200z4, e200z4	e200z2, e200z4, e200z4
Peripherals	DMA, LVD, POR, WDT	DMA, LVD, POR, Zipwire	DMA, LVD, POR, WDT	DMA, LVD, POR, WDT
Series	MPC57xx	MPC57xx	MPC57xx	MPC57xx
Base Product Number	SPC5748	SPC5777	SPC5748	SPC5748
Connectivity	CANbus, Ethernet, I ² C, LINbus, SAI, SPI, USB, USB OTG	CANbus, EBI/EMI, Ethernet, FlexCANbus, LINbus, SCI, SPI	CANbus, Ethernet, I ² C, LINbus, SAI, SPI, USB, USB OTG	CANbus, Ethernet, I ² C, LINbus, SAI, SPI, USB, USB OTG
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

SPC5748GSK0AMMJ6 Datasheet PDF

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Environmental Information

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PCN Packaging



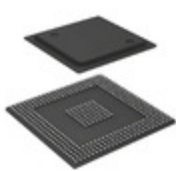
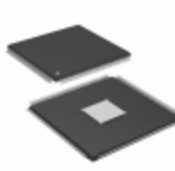


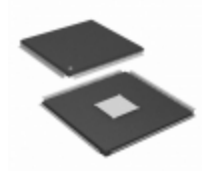




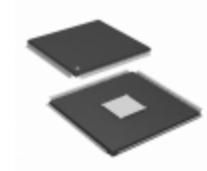




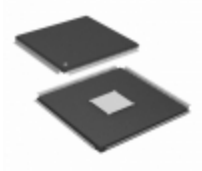

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SPC5748GHK0AMKU6 NXP USA Inc. IC MCU 32BIT 6MB FLASH 176LQFP	SPC5748GGK1MMJ6 NXP USA Inc. IC MCU 32BIT 6MB FLSH 256MAPBGA	SPC5748GGMMJ6 1N81M Freescale / NXP Semiconductors	SPC5748GHK0AMM16 NXP USA Inc. IC MCU 32BIT 6MB FLSH 256MAPBGA	SPC5775KK2MMY3AR NXP USA Inc. IC 4M FLASH 1.5M RAM 356MAPBGA	SPC5748GSK1MKU6 NXP USA Inc. IC MCU 32BIT 6MB FLASH 176LQFP
					
SPC5748GK0AMM16R NXP USA Inc. IC MCU 32BIT 6MB FLSH 256MAPBGA	SPC574K72E7C6FAR STMicroelectronics IC MCU 32BIT 2.5MB FLSH 176ELQFP	SPC5775BDK3MME2R NXP USA Inc. IC MCU 32BIT 4MB FLASH 416MAPBGA	SPC5748GGK1MM16R NXP USA Inc. IC MCU 32BIT 6MB FLSH 256MAPBGA	SPC5748GBK0AVKU6 NXP USA Inc. IC MCU 32BIT 6MB FLASH 176LQFP	SPC574S64E3CEFAR STMicroelectronics IC MCU 32BIT 1.5MB FLSH 100ETQFP

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.

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