



Image may be representation.  
See specifications for product details.



## DSP56321VF240

Manufacturer Part Number	<b>DSP56321VF240</b>
Manufacturer	<b>Freescale Semiconductor, Inc. (NXP Semiconductors)</b>
Allelco Part Number	32D-DSP56321VF240
ECAD Model	Request Free CAD Models
Parts Description	<b>24-BIT DIGITAL SIGNAL PROCESSOR</b>
Package	<b>196-BGA</b>
Data sheet	DSP56321VF240.pdf

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DSP56321VF240 - Freescale Semiconductor. New Original in Stock. Download Linear Technology DSP56321VF240 datasheet/specifications on AllelcoElec.com.  
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### Specifications

DSP56321VF240 Tech Specifications  
DSP56321VF240 - Freescale Semiconductor technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Freescale Semiconductor, Inc. (NXP Semiconductors)	Operating Temperature	-40°C ~ 100°C (TJ)
Voltage - I/O	3.30V	On-Chip RAM	576kB
Voltage - Core	1.60V	Non-Volatile Memory	ROM (576B)
Type	Fixed Point	Mounting Type	Surface Mount
Supplier Device Package	196-MAPBGA (15x15)	Interface	Host Interface, SSI, SCI
Series	DSP56K/Symphony	Clock Rate	240MHz
Package / Case	196-BGA	Base Product Number	DSP56321
Package	Bulk		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Freescale Semiconductor DSP56321VF240

Product Attribute				
Part Number	DSP56321VF240	DSP56321VL275	DSP56321VF220	DSP56311VF150
Manufacturer	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Interface	Host Interface, SSI, SCI	Host Interface, SSI, SCI	Host Interface, SSI, SCI	Host Interface, SSI, SCI
Package	Bulk	Tray	Tray	Tray
On-Chip RAM	576kB	576kB	576kB	384kB
Type	Fixed Point	Fixed Point	Fixed Point	Fixed Point
Base Product Number	DSP56321	DSP56321	DSP56321	DSP563
Voltage - Core	1.60V	1.60V	1.60V	1.80V
Supplier Device Package	196-MAPBGA (15x15)	196-MAPBGA (15x15)	196-MAPBGA (15x15)	196-LBGA (15x15)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	196-BGA	196-BGA	196-BGA	196-LBGA
Clock Rate	240MHz	275MHz	220MHz	150MHz
Series	DSP56K/Symphony	DSP56K/Symphony	DSP56K/Symphony	DSP56K/Symphony
Voltage - I/O	3.30V	3.30V	3.30V	3.30V
Non-Volatile Memory	ROM (576B)	ROM (576B)	ROM (576B)	ROM (576B)
Operating Temperature	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)

### Customers Also Interested in

#### Recommended Products

<b>DSP56362AG120</b>	<b>DSP5631VF150</b>	<b>DSP56321VL275</b>	<b>DSP56321VF220</b>	<b>DSP56311VF150</b>	<b>DSP56321VF200</b>
Freescale / NXP Semiconductors	MOTOROLA	NXP USA Inc. IC DSP 24BIT 275MHZ 196MAPBGA	NXP USA Inc. IC DSP 24BIT 220MHZ 196MAPBGA	NXP USA Inc. IC DSP 24BIT 150MHZ 196-BGA	Freescale Semiconductor DSP, 24-EXT BIT, 200MHZ, CMOS, P
<b>DSP56321FC200</b>	<b>DSP56854FGE</b>	<b>DSP56321VL240</b>	<b>DSP56321VL200</b>	<b>DSP56321VF220</b>	<b>DSP56311VF150</b>
MOTOROLA	Freescale Semiconductor DIGITAL SIGNAL PROCESSOR, 16-BIT	NXP USA Inc. IC DSP 24BIT 240MHZ 196MAPBGA	NXP USA Inc. IC DSP 24BIT 200MHZ 196MAPBGA	Freescale Semiconductor DSP, 24-EXT BIT, 220MHZ, CMOS, P	Freescale Semiconductor DSP, 24-EXT BIT, 150MHZ PBGA196

**DSP56854FGE**NXP USA Inc.  
IC MCU 16BIT 32KB SRAM 128LQFP**DSP56321VF240**NXP USA Inc.  
IC DSP 24BIT 240MHZ 196MAPBGA**DSP56311VL150**NXP USA Inc.  
IC DSP 24BIT FIXED POINT 196-BGA**DSP56321VF200**NXP USA Inc.  
IC DSP 24BIT 200MHZ 196MAPBGA**DSP56321VL240**Freescale Semiconductor  
DIGITAL SIGNAL PROCESSOR, 24-EXT**DSP56321VF275**NXP USA Inc.  
IC DSP 24BIT 275MHZ 196MAPBGA

## 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

Contact us if you have any questions.



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## Certifications & Memberships



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