

Image may be representation.  
See specifications for product details.



## DS31400GN+

Manufacturer Part Number	<b>DS31400GN+</b>
Manufacturer	<b>Microsemi</b>
Allelco Part Number	32D-DS31400GN+
ECAD Model	Request Free CAD Models
Parts Description	IC TIMING DUAL DPLL 256-CSBGA
Package	256-LBGA, CSBGA
Data sheet	<b>DS31400.pdf</b>
RoHs Status	Lead free / RoHS Compliant

**Get a Quote**

DS31400GN+ - Microsemi.New Original in Stock. Download Linear Technology DS31400GN+ datasheet/specifications on AllelcoElec.com.  
Request a quote for DS31400GN+, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

DS31400GN+ Tech Specifications  
DS31400GN+ - Microsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microsemi	Number of Circuits	1
Voltage - Supply	1.8V	Mounting Type	Surface Mount
Supplier Device Package	256-CSPBGA (17x17)	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Series	-	Manufacturer Standard Lead Time	10 Weeks
Ratio - Input:Output	8:14	Main Purpose	Ethernet, SONET/SDH, Stratum, Telecom
Packaging	Tray	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Package / Case	256-LBGA, CSBGA	Input	CMOS, TTL
PLL	Yes	Frequency - Max	750MHz
Output	CML, CMOS, LVDS, LVPECL, TTL	Differential - Input:Output	Yes/Yes
Other Names	90-31400+GN0	Base Part Number	DS31400
Operating Temperature	-40°C ~ 85°C		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microsemi DS31400GN+

Product Attribute				
Part Number	DS31400GN+	<b>DS3106LN+</b>	<b>DS31404GN+</b>	<b>DS31407GN+</b>
Manufacturer	Microsemi	Microsemi	Microsemi	Microsemi
Supplier Device Package	256-CSPBGA (17x17)	64-LQFP (10x10)	256-CSBGA (17x17)	256-CSBGA (17x17)
Differential - Input:Output	Yes/Yes	No/Yes	Yes/Yes	Yes/Yes
Ratio - Input:Output	8:14	2:2	4:8	3:4
Number of Circuits	1	1	2	1
Base Part Number	DS31400	DS3106	-	DS31407
Moisture Sensitivity Level (MSL)	3 (168 Hours)	3 (168 Hours)	3 (168 Hours)	3 (168 Hours)
Packaging	Tray	Tray	Tray	Tray
Input	CMOS, TTL	CMOS, TTL	CMOS, TTL	CMOS, TTL
Other Names	90-31400+GN0	-	-	90-31407+GN0
Output	CML, CMOS, LVDS, LVPECL, TTL	CMOS, LVDS, LVPECL, TTL	CML, CMOS, LVDS, LVPECL, TTL	CML, CMOS, LVDS, LVPECL, TTL
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Main Purpose	Ethernet, SONET/SDH, Stratum, Telecom	Ethernet, SONET/SDH, Stratum, Telecom	Ethernet, SONET/SDH, Stratum, Telecom	Ethernet, SONET/SDH, Stratum, Telecom
Frequency - Max	750MHz	312.5MHz	750MHz	750MHz
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Lead free / RoHS Compliant	Lead free / RoHS Compliant	Lead free / RoHS Compliant
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
PLL	Yes	Yes	Yes	Yes
Manufacturer Standard Lead Time	10 Weeks	10 Weeks	10 Weeks	10 Weeks
Series	-	-	-	-
Package / Case	256-LBGA, CSBGA	64-LQFP	256-LBGA, CSBGA	256-LBGA, CSBGA
Voltage - Supply	1.8V	1.62 V ~ 1.98 V	1.8V	1.8V

### DS31400GN+ Datasheet PDF

Download DS31400GN+ pdf datasheets and Microsemi documentation for DS31400GN+ - Microsemi.

#### Datasheets

DS31400.pdf

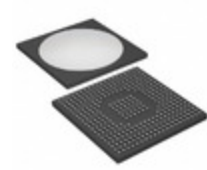
### Customers Also Interested in

#### Recommended Products



### DS3150Q

Analog Devices Inc./Maxim Integrated  
IC TELECOM INTERFACE 28PLCC



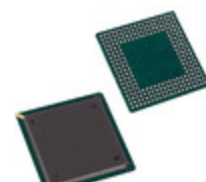
### DS31412

Analog Devices Inc./Maxim Integrated  
IC TELECOM INTERFACE 349BGA



### DS3106LN+

Microsemi  
IC TIMING LINE CARD 64-LQFP



### DS3134

Analog Devices Inc./Maxim Integrated  
IC TELECOM INTERFACE 256BGA



### DS3144

Analog Devices Inc./Maxim Integrated  
IC TELECOM INTERFACE 144CSPBGA



### DS31404GN+

Microsemi  
IC TIMING DUAL DPPLL 256CSBGA



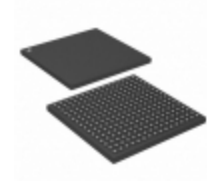
### DS3143

Analog Devices Inc./Maxim Integrated  
IC TELECOM INTERFACE 144CSPBGA



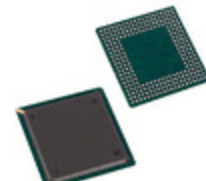
### DS3120

Analog Devices Inc./Maxim Integrated  
IC TELECOM INTERFACE 28 CHAN



### DS31407GN+

Microsemi  
IC SONET/SDH SYNC CSBGA



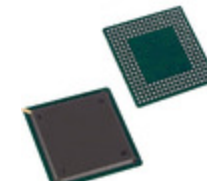
### DS31256

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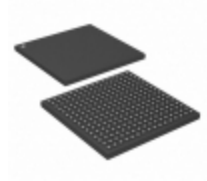
### DS3150Q+

Analog Devices Inc./Maxim Integrated  
IC TELECOM INTERFACE 28PLCC



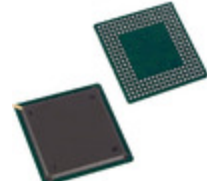
### DS31256+

Analog Devices Inc./Maxim Integrated  
IC TELECOM INTERFACE 256BGA



### DS31406GN+

Microsemi  
IC SONET/SDH SYNC CSBGA



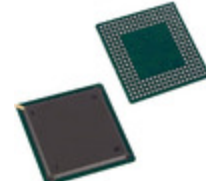
### DS3112

Analog Devices Inc./Maxim Integrated  
IC TELECOM INTERFACE 256BGA



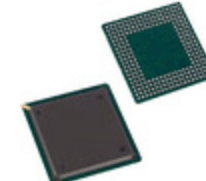
### DS31415GN+

Microsemi  
IC TIMING SINGLE DPPLL 256CSBGA



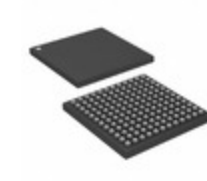
### DS3112+

Analog Devices Inc./Maxim Integrated  
IC TELECOM INTERFACE 256BGA



### DS3112N

Analog Devices Inc./Maxim Integrated  
IC TELECOM INTERFACE 256BGA



### DS3141+

Analog Devices Inc./Maxim Integrated  
IC TELECOM INTERFACE 144CSBGA

## 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.

- Phone  
+00852 9146 4856
- Email  
info@allelco.com

## Certifications & Memberships



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### Contact us

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