

Image may be representation.  
See specifications for product details.



## NLSX4378ABFCT1G

Manufacturer Part Number	<b>NLSX4378ABFCT1G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-NLSX4378ABFCT1G
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC TRANSLATOR BIDIR 12FLIPCHIP
Package	12-WFBGA, FCBGA
Data sheet	<b>NLSX4378A.pdf</b> <b>NLSX4378A.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

NLSX4378ABFCT1G - onsemi.New Original in Stock. Download Linear Technology NLSX4378ABFCT1G datasheet/specifications on AllelcoElec.com.  
Request a quote for NLSX4378ABFCT1G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

NLSX4378ABFCT1G Tech Specifications  
NLSX4378ABFCT1G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 125°C (TA)
Voltage - VCCB	1.65 V ~ 5.5 V	Number of Circuits	1
Voltage - VCCA	1.65 V ~ 5.5 V	Mounting Type	Surface Mount
Translator Type	Voltage Level	Input Signal	-
Supplier Device Package	12-FlipChip (2.02x1.54)	Features	Auto-Direction Sensing
Series	-	Data Rate	24Mbps
Package / Case	12-WFBGA, FCBGA	Channels per Circuit	4
Package	Tape & Reel (TR)	Channel Type	Bidirectional
Output Type	Open Drain	Base Product Number	NLSX4378
Output Signal	-		

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NLSX4378ABFCT1G

Product Attribute				
Part Number	NLSX4378ABFCT1G	NLSX5004MUTAG	NLSX4378FCT1G	NLSX4373MUTAG
Manufacturer	onsemi	onsemi	onsemi	onsemi
Number of Circuits	1	1	1	1
Output Signal	-	-	-	-
Translator Type	Voltage Level	Voltage Level	Voltage Level	Voltage Level
Package / Case	12-WFBGA, FCBGA	12-UFQFN	12-WFBGA, FCBGA	8-UDFN
Series	-	-	-	-
Supplier Device Package	12-FlipChip (2.02x1.54)	12-UQFN (1.7x2)	12-FlipChip (2.02x1.54)	8-UDFN (1.8x1.2)
Channels per Circuit	4	4	4	2
Data Rate	24Mbps	140Mbps	24Mbps	20Mbps
Channel Type	Bidirectional	Bidirectional	Bidirectional	Bidirectional
Output Type	Open Drain	Tri-State, Non-Inverted	Open Drain	Open Drain, Tri-State
Input Signal	-	-	-	-
Voltage - VCCB	1.65 V ~ 5.5 V	0.9 V ~ 3.6 V	1.65 V ~ 5.5 V	1.5 V ~ 5.5 V
Features	Auto-Direction Sensing	-	Auto-Direction Sensing	Auto-Direction Sensing
Base Product Number	NLSX4378	NLSX5004	NLSX4378	NLSX4373
Voltage - VCCA	1.65 V ~ 5.5 V	0.9 V ~ 3.6 V	1.65 V ~ 5.5 V	1.5 V ~ 5.5 V
Operating Temperature	-55°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

### NLSX4378ABFCT1G Datasheet PDF

Download NLSX4378ABFCT1G pdf datasheets and onsemi documentation for NLSX4378ABFCT1G - onsemi.

#### Datasheets

[NLSX4378A.pdf](#)

#### Environmental Information

[onsemi RoHS.pdf](#)

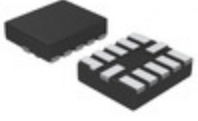

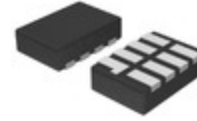








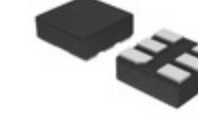


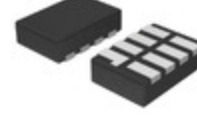



[Material Declaration NLSX4378ABFCT1G.pdf](#)

#### HTML Datasheet

[NLSX4378A.pdf](#)

## Customers Also Interested in

### Recommended Products

					
<b>NLSX5004MUTAG</b> onsemi IC TRANSLTR BIDIRECTIONAL 12UQFN	<b>NLSX4378FCT1G</b> onsemi IC TRANSLATOR BIDIR 12FLIPCHIP	<b>NLSX4373MUTAG</b> onsemi IC TRANSLTR BIDIRECTIONAL 8UDFN	<b>NLSX4402FMUTCG</b> onsemi IC TRANSLTR BIDIRECTIONAL 8UDFN	<b>NLSX4401MU1TCG</b> onsemi IC TRANSLTR BIDIRECTIONAL 8UDFN	<b>NLSX4014DR2G</b> onsemi IC TRANSLTR BIDIRECTIONAL 14SOIC
					
<b>NLSX4014MUTAG</b> onsemi IC TRANSLTR BIDIRECTIONAL 12UQFN	<b>NLSX5002BMUTCG</b> onsemi IC TRANSLTR BIDIRECTIONAL 8UQFN	<b>NLSX4378BFACT1G</b> onsemi IC TRANSLATOR BIDIR 12FLIPCHIP	<b>NLSX5011MUTCG</b> onsemi IC TRANSLTR BIDIRECTIONAL 6UDFN	<b>NLSX4302EBMUTCG</b> onsemi IC TRANSLTR BIDIRECTIONAL 8UQFN	<b>NLSX5011AMX1TCG</b> onsemi IC TRANSLTR BIDIRECTIONAL 6ULLGA
					
<b>NLSX4373DR2G</b> onsemi IC TRANSLTR BIDIRECTIONAL 8SOIC	<b>NLSX5012DR2G</b> onsemi IC TRANSLTR BIDIRECTIONAL 8SOIC	<b>NLSX3373MUTAG</b> onsemi IC TRANSLTR BIDIRECTIONAL 8UDFN	<b>NLSX3378FCT1G</b> onsemi IC TRANSLATOR BIDIR 12FLIPCHIP	<b>NLSX4014DTR2G</b> onsemi IC TRANSLATOR BIDIR 14TSSOP	<b>NLSX3373MUTAG</b> Rochester Electronics, LLC NLSX3373MUTA - 2-BIT 20 MB/S DUA

## 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

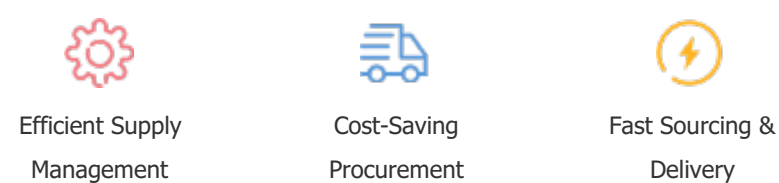
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

### Payment Support

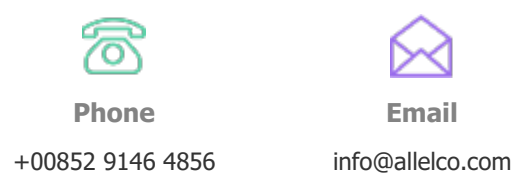
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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