

TAB A

Accused Product Part Number: NCP81255

🏠

/ Products / Power Management ▾

/ DC-DC Power Conversion ▾ / Controllers ▾

Controllers | NCP81255

> | Show side navigation

Single-Phase Regulator for IMVP8

Inventory

Product Number: NCP81255MNTXG

Distributor	Stock	BUY
Mouser Electronics	2812	Buy

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Overview

The NCP81255 is a high-performance, low-bias current, single-phase regulator with integrated power MOSFETs intended to support a wide range of computing applications. The device is able to deliver up to 14 A TDC output current on an adjustable output with Intel proprietary interface interface. Operating in high switching frequency up to 1.2 MHz allows employing small size inductor and capacitors. The controller makes use of ON

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operation and continuous-mode full-power operation. The NCP81255 has an ultra-low offset current monitor amplifier with programmable offset compensation for high-accuracy current monitoring.

Overview Technical Documentation

📄

Product Overview

> Applications

> Features

Inventory

Product Number: NCP81255MNTXG

Distributor	Stock	BUY
Mouser Electronics	2812	Buy

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☐	Product ↑	Case Outline	MSL Type	MSL Temp (°C)	C Ty
☐	NCP81255MNTXG	485DY	3	260	RI



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Product Number: NCP81255MNTXG

Distributor	Stock	BUY
Mouser Electronics	2812	Buy

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All ▾

Part # / Keyword

Q



All Products > Electromechanical > Industrial Automation > Industrial Sensors > Industrial Temperature Sensors > onsemi NCP81255MNTXG

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NCP81255MNTXG



Share

Mouser #:

863-NCP81255MNTXG

Mfr. #:

NCP81255MNTXG

Mfr.:

onsemi

Customer #:

Customer #

Description:

Industrial Temperature Sensors INDUSTRIAL TEMPERATURE RANGE SINGLE PHASE VOLTAGE REGULATOR

Datasheet:

 NCP81255MNTXG Datasheet (PDF)

ECAD Model:

 Request Free CAD Models

Download the free Library Loader to convert this file for your ECAD Tool. Learn more about ECAD Model.

In Stock: 2,812

Stock:

2,812 Can Ship Immediately

Factory Lead-Time:

32 Weeks 

Quantities greater than 2812 will be subject to minimum order requirements.

Minimum: 1 Multiples: 1

Enter Quantity:

Buy

Pricing (USD)

	Qty.	Unit Price	Ext. Price
Cut Tape / MouseReel™ †			Greenthread Ex. 2030, p. 5 Semiconductor v. Greenthread IPR2023-01244

Qty.	Unit Price	Ext. Price
1	\$6.78	\$6.78
10	\$6.09	\$60.90
100	\$4.99	\$499.00
500	\$4.25	\$2,125.00
1,000	\$3.64	\$3,640.00
Full Reel (Order in multiples of 5000)		
5,000	\$3.09	\$15,450.00
25,000	Quote	

† \$7.00 MouseReel™ fee will be added and calculated in your shopping cart. All MouseReel™ orders are non-cancellable and non-returnable. ↵

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Specifications

Product Attribute	Attribute Value
Manufacturer:	onsemi
Product Category:	Industrial Temperature Sensors
RoHS:	 Details
Packaging:	Reel
Packaging:	Cut Tape
Packaging:	MouseReel
Brand:	onsemi
Moisture Sensitive:	Yes
Product Type:	Temperature Sensors
Factory Pack Quantity:	5000
Subcategory:	Sensors
Unit Weight:	0.025694 oz

Documents (4)

Filter Document:	Choose a document type
Datasheet	
	NCP81255MNTXG Datasheet (PDF)
EOL	
	Product Discontinuance Notification (PDF)
PCN	
	General Announcement - 2D Barcoding (PDF)
	Temporary Suspension of ISO 9001 Certification for Hitachi Chemical Co., Ltd.

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- Environmental Documents
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TAB B

Accused Product Part Number: NTJD4152P



MOSFETs | NTJD4152P

Inventory

Product Number: **NTJD4152PT1G**

Distributor	Stock	BUY
Mouser Electronics	272101	Buy
Flip Electronics	114000	Buy
Future Electronics	3000	Buy
Arrow Electronics	2392	Buy
DigiKey	33000	Buy
DigiKey	36085	Buy
DigiKey	36085	Buy

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> Applications

> Features

Inventory

Product Number: NTJD4152PT1G

Distributor	Stock	BUY
Mouser Electronics	272101	Buy
Flip Electronics	114000	Buy
Future Electronics	3000	Buy
Arrow Electronics	2392	Buy
DigiKey	33000	Buy
DigiKey	36085	Buy
DigiKey	36085	Buy

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Inventory

Product Number: NTJD4152PT1G

Distributor	Stock	BUY
Mouser Electronics	272101	Buy
Flip Electronics	114000	Buy
Future Electronics	3000	Buy
Arrow Electronics	2392	Buy
DigiKey	33000	Buy
DigiKey	36085	Buy
DigiKey	36085	Buy

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All ▾

Part # / Keyword

Q

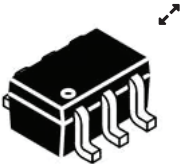


All Products > Semiconductors > Discrete Semiconductors > Transistors > MOSFET > onsemi NTJD4152PT1G

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NTJD4152PT1G



Images are for reference only
See Product Specifications

Share

Mouser #:
863-NTJD4152PT1G

Mfr. #:
NTJD4152PT1G

Mfr.:
onsemi

Customer #:

Description:
MOSFET 20V 0.88mA P-Channel ESD Protection

Datasheet:
 NTJD4152PT1G Datasheet (PDF)

ECAD Model:
 PCB Symbol, Footprint & 3D Model
Download the free Library Loader to convert this file for your ECAD Tool. Learn more about ECAD Model.

In Stock: 272,101

Stock:
272,101 Can Ship Immediately

Factory Lead-Time:
62 Weeks 

Minimum: 1 Multiples: 1
Enter Quantity:

Buy

Pricing (USD)

	Qty.	Unit Price	Ext. Price
Cut Tape / MouseReel™ 			

	Qty.	Unit Price	Ext. Price
	1	\$0.49	\$0.49
	10	\$0.338	\$3.38
	100	\$0.201	\$20.10
	1,000	\$0.132	\$132.00
Full Reel (Order in multiples of 3000)			
	3,000	\$0.121	\$363.00
	9,000	\$0.114	\$1,026.00
	24,000	\$0.111	\$2,664.00
	45,000	\$0.106	\$4,770.00

† \$7.00 MouseReel™ fee will be added and calculated in your shopping cart. All MouseReel™ orders are non-cancellable and non-returnable. ↩

FEATURED PRODUCTS
ONSEMI

	NVBG070N120M3S Silicon Carbide (SiC) MOSFET 1200V M3S planar EliteSiC MOSFET designed for fast switching applications. Learn More	>
	NCV8415 Self-Protected Low Side MOSFET Drivers Three-terminal, protected, smart, discrete FETs suitable for harsh automotive environments. Learn More	>
	Pairing Gate Drivers with EliteSiC MOSFETs Full portfolio of Gate Drivers and EliteSiC Mosfets that, when paired, improve thermal performance. Learn More	>
	EliteSiC Addresses the needs of demanding applications like solar inverters, and electric vehicle chargers. Learn More	>
	NVBG025N065SC1 Silicon Carbide (SiC) MOSFETs Provide superior switching performance and higher reliability than Silicon. Learn More	>

Specifications

Product Attribute	Attribute Value
Manufacturer:	onsemi
Product Category:	MOSFET
RoHS:	 Details
Technology:	Si
Mounting Style:	SMD/SMT
Package / Case:	SOT-363-6
Transistor Polarity:	P-Channel
Number of Channels:	2 Channel
Vds - Drain-Source Breakdown Voltage:	20 V
Id - Continuous Drain Current:	880 mA
Rds On - Drain-Source Resistance:	1 Ohms

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Vgs - Gate-Source Voltage:	- 12 V, + 12 V
Vgs th - Gate-Source Threshold Voltage:	1.2 V
Qg - Gate Charge:	2.2 nC
Minimum Operating Temperature:	- 55 C
Maximum Operating Temperature:	+ 150 C
Pd - Power Dissipation:	272 mW
Channel Mode:	Enhancement
Series:	NTJD4152P
Packaging:	Reel
Packaging:	Cut Tape
Packaging:	MouseReel
Brand:	onsemi
Configuration:	Dual
Fall Time:	3.5 ns
Forward Transconductance - Min:	3 S
Height:	0.9 mm
Length:	2 mm
Product:	MOSFET Small Signals
Product Type:	MOSFET
Rise Time:	6.5 ns
Factory Pack Quantity:	3000
Subcategory:	MOSFETs
Transistor Type:	2 P-Channel
Type:	MOSFET
Typical Turn-Off Delay Time:	13.5 ns
Typical Turn-On Delay Time:	5.8 ns
Width:	1.25 mm
Unit Weight:	0.000265 oz

Documents (8)



Filter Document:

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Datasheet

NTJD4152PT1G Datasheet (PDF)

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TAB C

Accused Product Part Number: NVJD4152P



/ Products / Discrete & Power Modules / MOSFETs

MOSFETs | NVJD4152P

Show side navigation

Dual P-Channel Trench Small Signal ESD Protected MOSFET 20V, 0.88A, 260mO

Inventory

Product Number: NVJD4152PT1G

Distributor	Stock	BUY
Rochester Electronics	62524	

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Material Composition

Product Change Notification

Inventory

Product Number: NVJD4152PT1G

Distributor	Stock	BUY
Rochester Electronics	62524	Buy

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Product Number: NVJD4152PT1G

Distributor	Stock	BUY
Rochester Electronics	62524	Buy

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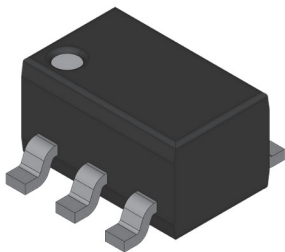
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Part Search

Home (/) / Products (/buy) / NVJD4152PT1G (https://www.rocelec.com/part/ONSNVJD4152PT1G)

NVJD4152PT1G

RoHS CompliantLead Free



See product data sheet for exact product image.

In Stock:	62,524
Manufacturer:	onsemi
Category:	MOSFETs/FETs
Description:	NVJD4152 - Dual P-Channel Trench Small Signal ESD Protected MOSFET 20V, 0.88A

Contact Support (/contact/contact-us)	(https://rocelec.widen.net/view/pdf/p3piq2fes2/ONSM-DatasheetS-A0008366460-1.pdf?t.download=true&u=5oefqw)	Share Part (mailto:?subject=NVJD4152PT1G&body=htt%2Frocelec.widen.net%2Fview%2Fpdf%2Fp: S-A0008366460-1.pdf%3Ft.download%3Dtr
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Resources

NVJD4152PT1G Data Sheet (https://rocelec.widen.net/view/pdf/p3piq2fes2/ONSM-S-A0008366460-1.pdf?t.download=true&u=5oefqw) (https://rocelec.widen.net/view/pdf/p3piq2fes2/ONSM-S-A0008366460-1.pdf?t.download=true&u=5oefqw)

Product Specifications

Part Number	NVJD4152PT1G
Description	NVJD4152 - Dual P-Channel Trench Small Signal ESD Protected MOSFET 20V, 0.88A
RoHS	YES

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Lifecycle Status	Active
Part Type	MOSFETs/FETs
Product Family	Discretes
Base Part Number	NVJD4152P
EOL Date	01/01/0001 00:00:00
Mfr. Cage Code	ONS
Rad Hard	Automotive - AEC
Harmonized Code	8541.29.0095
Product Group	Transistors
Product Category	MOSFETs/FETs
Package	SC-88 (SC-70-6)
Pin Count	6
Packaging Type	Tape & Reel
Lead Free	YES
EU RoHS	YES
China RoHS	UNDEFINED
Manufacturer	onsemi

Purchase

1724

There is a minimum quantity of 1,724 and a maximum quantity of 62,524 for this product.

Estimated Ext. Price: \$249.98

 Add To Cart

Pricing

Qty.	Unit Price
1 – 24	\$0.1706
25 – 99	\$0.1672
100 – 499	\$0.1604
500 – 999	\$0.1536
1000+	\$0.1450

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TAB D

Accused Product Part Number: NCP81243



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/ DC-DC Power Conversion ▾ / Controllers ▾

Controllers | NCP81243

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Inventory

Product Number: NCP81243MNTXG

Distributor	Stock	BUY
DigiKey	2500	Buy
DigiKey	2500	Buy
DigiKey	2500	Buy

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Benefits of reduced system cost

Overview Technical Documentation

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Inventory

Product Number: NCP81243MNTXG

Distributor	Stock	BUY
DigiKey	2500	Buy
DigiKey	2500	Buy
DigiKey	2500	Buy

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Product Number: **NCP81243MNTXG**

Distributor	Stock	BUY
DigiKey	2500	Buy
DigiKey	2500	Buy
DigiKey	2500	Buy

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NCP81243MNTXG

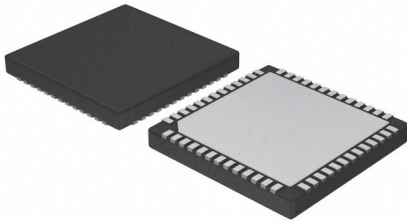


Image shown is a representation only. Exact specifications should be obtained from the product data sheet.

Digi-Key Part Number

NCP81243MNTXGOSTR-ND - Tape & Reel (TR)
NCP81243MNTXGOSCT-ND - Cut Tape (CT)
NCP81243MNTXGOSDKR-ND - Digi-Reel®

Manufacturer

onsemi

Manufacturer Product Number

NCP81243MNTXG

Description

IC REG CTRLR IMVP8 1OUT 52QFN

Manufacturer Standard Lead Time

32 Weeks

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Detailed Description

- Controller, Intel IMVP8 Voltage Regulator IC 1 Output 52-QFN (6x6)

Customer Reference

Customer Reference

Datasheet

In-Stock: 2,500

All prices are in USD

Cut Tape (CT) & Digi-Reel®

QTY	UNIT PRICE	EXT PRICE
1	\$3.18000	\$3.18
10	\$2.85600	\$28.56
25	\$2.70040	\$67.51
100	\$2.22030	\$222.03
250	\$1.99232	\$498.08
500	\$1.92030	\$960.15
1,000	\$1.59624	\$1,596.24

* All Digi-Reel orders will add a \$7.00 reeling fee.

Tape & Reel (TR)

QTY	UNIT PRICE	EXT PRICE
 2,500	\$1.53624	\$3,840.60
5,000	\$1.48823	\$7,441.15

 Manufacturers Standard Package

Product Attributes

TYPE	DESCRIPTION
Category	Integrated Circuits (ICs) Power Management (PMIC) Special Purpose Regulators
Mfr	onsemi
Series	-
Package	Tape & Reel (TR) ⓘ Cut Tape (CT) ⓘ Digi-Reel® ⓘ
Product Status	Active
Applications	Controller, Intel IMVP8
Voltage - Input	4.5V ~ 20V
Number of Outputs	1
Voltage - Output	-
Operating Temperature	-40°C ~ 125°C
Mounting Type	Surface Mount
Package / Case	52-VFQFN Exposed Pad
Supplier Device Package	52-QFN (6x6)
Base Product Number	NCP81243

Documents & Media

RESOURCE TYPE	LINK
Datasheets	NCP81243
Greenthread Ex. 2030, p. 29 Semiconductor v. Greenthread IPR2023-01244	

RESOURCE TYPE LINK

Environmental Information [Material Declaration NCP81243MNTXG onsemi RoHS](#)

Environmental & Export Classifications

ATTRIBUTE DESCRIPTION

RoHS Status ROHS3 Compliant

Moisture Sensitivity Level (MSL) 1 (Unlimited)

REACH Status REACH Unaffected

ECCN EAR99

HTSUS 8542.39.0001

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STMicroelectronics

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Details



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IC MTR DRVR 5.5-24.5V 36POWERSSO

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STMicroelectronics

\$8.87000

Details

Additional Resources

ATTRIBUTE DESCRIPTION

Other Names
ONSONSNCP81243MNTXG
NCP81243MNTXGOSTR
2156-NCP81243MNTXG-OS
NCP81243MNTXGOSDKR
NCP81243MNTXGOSCT

Standard Package
2,500 ?



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TAB E

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Controllers | NCP81248

> Show side navigation

Inventory

Product Number: NCP81248MNTXG

Distributor	Stock	BUY
Flip Electronics	12500	Buy
DigiKey	2490	Buy
DigiKey	2490	Buy

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transitions between discontinuous frequency scaling operation and continuous mode full power operation. The single-phase rails have a low offset current monitor amplifier with programmable offset compensation for high accuracy current

[Overview](#) [Technical Documentation](#)

 [Product Overview](#)

Inventory

Product Number: **NCP81248MNTXG**

Distributor	Stock	BUY
Flip Electronics	12500	Buy
DigiKey	2490	Buy
DigiKey	2490	Buy

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Product Number: NCP81248MNTXG

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Distributor	Stock	BUY
Flip Electronics	12500	Buy
DigiKey	2490	Buy
DigiKey	2490	Buy

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onsemi NCP81248MNTXG

NCP81248MNTXG

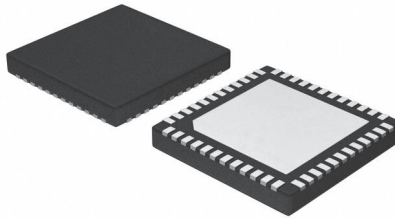


Image shown is a representation only. Exact specifications should be obtained from the product data sheet.

Digi-Key Part Number

488-NCP81248MNTXGTR-ND - Tape & Reel (TR)

488-NCP81248MNTXGCT-ND - Cut Tape (CT)

488-NCP81248MNTXGDKR-ND - Digi-Reel®

Manufacturer

[onsemi](#)

Manufacturer Product Number

NCP81248MNTXG

Description

IC CONTROLLER MULTIPHASE 48QFN

Manufacturer Standard Lead Time

32 Weeks

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Semiconductor v. Greenthread
IPR2023-01244

Detailed Description

- Controller, Intel IMVP8 Voltage Regulator IC 3 Output 48-QFN (6x6)

Customer Reference

Customer Reference

Datasheet

In-Stock: 2,490

All prices are in USD

Cut Tape (CT) & Digi-Reel®

QTY	UNIT PRICE	EXT PRICE
1	\$3.52000	\$3.52
10	\$3.15900	\$31.59
25	\$2.98600	\$74.65
100	\$2.45520	\$245.52
250	\$2.20304	\$550.76
500	\$2.12342	\$1,061.71
1,000	\$1.76510	\$1,765.10

* All Digi-Reel orders will add a \$7.00 reeling fee.

Tape & Reel (TR)

QTY	UNIT PRICE	EXT PRICE
 2,500	\$1.69874	\$4,246.85
5,000	\$1.64565	\$8,228.25

 Manufacturers Standard Package

Product Attributes

TYPE	DESCRIPTION
Category	Integrated Circuits (ICs) Power Management (PMIC) Special Purpose Regulators
Mfr	onsemi
Series	-
Package	Tape & Reel (TR) ⓘ Cut Tape (CT) ⓘ Digi-Reel® ⓘ
Product Status	Active
Applications	Controller, Intel IMVP8
Voltage - Input	4.75V ~ 5.25V
Number of Outputs	3
Voltage - Output	-
Operating Temperature	-40°C ~ 100°C (TA)
Mounting Type	Surface Mount
Package / Case	48-VFQFN Exposed Pad
Supplier Device Package	48-QFN (6x6)
Base Product Number	NCP81248

Documents & Media

RESOURCE TYPE	LINK
Datasheets	NCP81248
Greenthread Ex. 2030, p. 38 Semiconductor v. Greenthread IPR2023-01244	

RESOURCE TYPE LINK

Environmental Information [Material Declaration NCP81248MNTXG onsemi REACH onsemi RoHS](#)

HTML Datasheet [NCP81248](#)

Environmental & Export Classifications

ATTRIBUTE DESCRIPTION

RoHS Status ROHS3 Compliant

Moisture Sensitivity Level (MSL) 1 (Unlimited)

REACH Status REACH Unaffected

ECCN EAR99

HTSUS 8542.39.0001

Additional Resources

ATTRIBUTE DESCRIPTION

Other Names NCP81248MNTXG-ND
488-NCP81248MNTXGDKR
2832-NCP81248MNTXGTR
488-NCP81248MNTXGCT
488-NCP81248MNTXGTR

Standard Package 2,500 

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ATTRIBUTE	DESCRIPTION



1-800-344-4539

218-681-6674



sales@digkey.com



218-681-3380

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Local Support: 701 Brooks Avenue South, Thief River Falls, MN 56701 USA

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