

# 74LVC4245ABQ-Q100J

# 74LVC4245ABQ-Q100J Information



For Reference Only

Part Number	74LVC4245ABQ-Q100J	
Manufacturer	Nexperia USA Inc.	
Category	Integrated Circuits (ICs) Logic - Translators, Level Shifters	
Description	IC TRANSCVR TRI-ST DL 24DHVQFN	
Package	24-VFQFN Exposed Pad	
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	



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## 74LVC4245ABQ-Q100J Specifications

Manufacturer Nexperia USA Inc.   Category Integrated Circuits (ICs)   Logic - Translators, Level Shifters Logic - Translators, Level Shifters   Package 24-VFQFN Exposed Pad   Series Automotive, AEC-Q100, 74LVC   Translator Type Voltage Level   Channel Type Bidirectional   Number of Circuits 1   Channels per Circuit 8   Voltage - VCCA 1.5V ~ 5.5V   Voltage - VCCB 1.5V ~ 3.6V   Input Signal -   Output Signal -   Output Type Tri-State, Non-Inverted   Data Rate -   Operating Temperature 440°C ~ 125°C (TA)   Features -   Mounting Type Surface Mount   Package / Case 24-VFQFN Exposed Pad		
CategoryIntegrated Circuits (ICs)Logic - Translators, Level ShiftersPackage24-VFQFN Exposed PadSeriesAutomotive, AEC-Q100, 74LVCTranslator TypeVoltage LevelChannel TypeBidirectionalNumber of Circuits1Channels per Circuit8Voltage - VCCA1.5V ~ 5.5VVoltage - VCCB1.5V ~ 3.6VInput Signal-Output Signal-Output TypeTri-State, Non-InvertedData Rate-Operating Temperature-Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Manufacturer Part Number	74LVC4245ABQ-Q100J
Logic - Translators, Level ShiftersPackage24-VFQFN Exposed PadSeriesAutomotive, AEC-Q100, 74LVCTranslator TypeVoltage LevelChannel TypeBidirectionalNumber of Circuits1Channels per Circuit8Voltage - VCCA1.5V ~ 5.5VVoltage - VCCB1.5V ~ 3.6VInput Signal-Output TypeTri-State, Non-InvertedData Rate-Operating Temperature40°C ~ 125°C (TA)Features-Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Manufacturer	Nexperia USA Inc.
Package24-VFQFN Exposed PadSeriesAutomotive, AEC-Q100, 74LVCTranslator TypeVoltage LevelChannel TypeBidirectionalNumber of Circuits1Channels per Circuit8Voltage - VCCA1.5V ~ 5.5VVoltage - VCCB1.5V ~ 3.6VInput Signal-Output TypeTri-State, Non-InvertedData Rate-Operating Temperature40°C ~ 125°C (TA)FeaturesSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Category	Integrated Circuits (ICs)
SeriesAutomotive, AEC-Q100, 74LVCTranslator TypeVoltage LevelChannel TypeBidirectionalNumber of Circuits1Channels per Circuit8Voltage - VCCA1.5V ~ 5.5VVoltage - VCCB1.5V ~ 3.6VInput Signal-Output TypeTri-State, Non-InvertedData Rate-Operating Temperature-40°C ~ 125°C (TA)Features-Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)		Logic - Translators, Level Shifters
Translator TypeVoltage LevelChannel TypeBidirectionalNumber of Circuits1Channels per Circuit8Voltage - VCCA1.5V ~ 5.5VVoltage - VCCB1.5V ~ 3.6VInput Signal-Output TypeTri-State, Non-InvertedData Rate-Operating Temperature-40°C ~ 125°C (TA)FeaturesSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Package	24-VFQFN Exposed Pad
Channel TypeBidirectionalNumber of Circuits1Channels per Circuit8Voltage - VCCA1.5V ~ 5.5VVoltage - VCCB1.5V ~ 3.6VInput Signal-Output Type7i-State, Non-InvertedData Rate-Operating Temperature-Features-Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5X3.5)	Series	Automotive, AEC-Q100, 74LVC
Number of Circuits1Channels per Circuit8Voltage - VCCA1.5V ~ 5.5VVoltage - VCCB1.5V ~ 3.6VInput Signal-Output Signal-Output TypeTri-State, Non-InvertedData Rate-Operating Temperature-40°C ~ 125°C (TA)Features-Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Translator Type	Voltage Level
Channels per Circuit8Voltage - VCCA1.5V ~ 5.5VVoltage - VCCB1.5V ~ 3.6VInput Signal-Output Signal-Output TypeTri-State, Non-InvertedData Rate-Operating Temperature-40°C ~ 125°C (TA)FeaturesSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Channel Type	Bidirectional
Voltage - VCCA1.5V ~ 5.5VVoltage - VCCB1.5V ~ 3.6VInput Signal-Output Signal-Output TypeTri-State, Non-InvertedData Rate-Operating Temperature-40°C ~ 125°C (TA)Features-Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Number of Circuits	1
Voltage - VCCB1.5V ~ 3.6VInput Signal-Output Signal-Output TypeTri-State, Non-InvertedData Rate-Operating Temperature-40°C ~ 125°C (TA)Features-Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Channels per Circuit	8
Input Signal-Output Signal-Output TypeTri-State, Non-InvertedData Rate-Operating Temperature-40°C ~ 125°C (TA)Features-Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Voltage - VCCA	1.5V ~ 5.5V
Output Signal-Output TypeTri-State, Non-InvertedData Rate-Operating Temperature-40°C ~ 125°C (TA)Features-Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Voltage - VCCB	1.5V ~ 3.6V
Output TypeTri-State, Non-InvertedData Rate-Operating Temperature-40°C ~ 125°C (TA)Features-Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Input Signal	-
Data Rate-Operating Temperature-40°C ~ 125°C (TA)Features-Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Output Signal	-
Operating Temperature-40°C ~ 125°C (TA)Features-Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Output Type	Tri-State, Non-Inverted
Features-Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Data Rate	-
Mounting TypeSurface MountPackage / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Operating Temperature	-40°C ~ 125°C (TA)
Package / Case24-VFQFN Exposed PadSupplier Device Package24-DHVQFN (5.5x3.5)	Features	-
Supplier Device Package24-DHVQFN (5.5x3.5)	Mounting Type	Surface Mount
	Package / Case	24-VFQFN Exposed Pad
Report errors?	Supplier Device Package	24-DHVQFN (5.5x3.5)
		Report errors?

#### 74LVC4245ABQ-Q100J Guarantees



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We provide 90 days warranty. \* If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



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We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

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