PACKAGING INFORMATION

Orderable Device	Status (1)	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead finish/ Ball material (6)	MSL Peak Temp (3)	Op Temp (°C)	Device Marking (4/5)	Samples
SN74LVC2T45DCTR	ACTIVE	SM8	DCT	8	3000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 85	CT2 (R, Z)	Samples
SN74LVC2T45DCTRE4	ACTIVE	SM8	DCT	8	3000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 85	CT2 (R, Z)	Samples
SN74LVC2T45DCTT	ACTIVE	SM8	DCT	8	250	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 85	CT2 (R, Z)	Samples
SN74LVC2T45DCTTG4	ACTIVE	SM8	DCT	8	250	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 85	CT2 (R, Z)	Samples
SN74LVC2T45DCUR	ACTIVE	VSSOP	DCU	8	3000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 85	(CT2J, CT2Q, CT2R, T2) CZ	Samples
SN74LVC2T45DCURE4	ACTIVE	VSSOP	DCU	8	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	CT2R	Samples
SN74LVC2T45DCURG4	ACTIVE	VSSOP	DCU	8	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	CT2R	Samples
SN74LVC2T45DCUT	ACTIVE	VSSOP	DCU	8	250	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 85	(CT2J, CT2Q, CT2R, T2) CZ	Samples
SN74LVC2T45DCUTG4	ACTIVE	VSSOP	DCU	8	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	CT2R	Samples
SN74LVC2T45YZPR	ACTIVE	DSBGA	YZP	8	3000	RoHS & Green	SAC396 | SNAGCU	Level-1-260C-UNLIM	-40 to 85	(TB, TB7, TBN)	Samples

(1) The marketing status values are defined as follows:
ACTIVE: Product device recommended for new designs.
LIFEBUY: TI has announced that the device will be discontinued, and a lifetime-buy period is in effect.
NRND: Not recommended for new designs. Device is in production to support existing customers, but TI does not recommend using this part in a new design.
PREVIEW: Device has been announced but is not in production. Samples may or may not be available.
OBSOLETE: TI has discontinued the production of the device.

(2) **RoHS:** TI defines "RoHS" to mean semiconductor products that are compliant with the current EU RoHS requirements for all 10 RoHS substances, including the requirement that RoHS substance do not exceed 0.1% by weight in homogeneous materials. Where designed to be soldered at high temperatures, "RoHS" products are suitable for use in specified lead-free processes. TI may reference these types of products as "Pb-Free".
RoHS Exempt: TI defines "RoHS Exempt" to mean products that contain lead but are compliant with EU RoHS pursuant to a specific EU RoHS exemption.
Green: TI defines "Green" to mean the content of Chlorine (Cl) and Bromine (Br) based flame retardants meet JS709B low halogen requirements of <=1000ppm threshold. Antimony trioxide based flame retardants must also meet the <=1000ppm threshold requirement.

(3) MSL, Peak Temp. - The Moisture Sensitivity Level rating according to the JEDEC industry standard classifications, and peak solder temperature.

(4) There may be additional marking, which relates to the logo, the lot trace code information, or the environmental category on the device.

(5) Multiple Device Markings will be inside parentheses. Only one Device Marking contained in parentheses and separated by a "~" will appear on a device. If a line is indented then it is a continuation of the previous line and the two combined represent the entire Device Marking for that device.

(6) Lead finish/Ball material - Orderable Devices may have multiple material finish options. Finish options are separated by a vertical ruled line. Lead finish/Ball material values may wrap to two lines if the finish value exceeds the maximum column width.

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In no event shall TI's liability arising out of such information exceed the total purchase price of the TI part(s) at issue in this document sold by TI to Customer on an annual basis.

OTHER QUALIFIED VERSIONS OF SN74LVC2T45 :

- Automotive : SN74LVC2T45-Q1
- Enhanced Product : SN74LVC2T45-EP

NOTE: Qualified Version Definitions:

- Automotive - Q100 devices qualified for high-reliability automotive applications targeting zero defects
- Enhanced Product - Supports Defense, Aerospace and Medical Applications