

Supplier Name: Texas Instruments Inc. (DUNS# 00-732-1904)
 Contact Info: ti.com/support
 Form/Declaration Type: Distribute - RoHS and IEC 62474 DB
 Created on: 05/16/2022

Details for "SN74ALVC125NSRE4"

Current Product Information

TI part number	Lead finish/Ball material	MSL rating/peak reflow	Assembly site	Package Pins	Package body size (mm)	Total device mass (mg)*
SN74ALVC125NSRE4	NIPDAU	Level-1-260C-UNLIM	TI MALAYSIA A/T	NS 14	5.3x10.3x1.95	224.1

***Total Device Mass**

The summary mass is a rounded value and will be within approximately +/- 10% of the detailed mass value.

Environmental Ratings Information

RoHS	REACH	Green	IEC 62474 DB
Yes	Yes	Yes	Yes

Component Information

Component	Substance	CAS Number	Amount (mg)	Homogeneous Material Level		Component Level	
				Percentage %	ppm	Percentage %	ppm
Bond Wire							
Copper and Its Alloys	Copper	7440-50-8	0.070373	99.998579	999986	0.031405	314
Precious Metals	Silver	7440-22-4	0.000001	0.001421	14	0	0
Sub-Total			0.070374	100	1000000	0.031405	314
Die Attach Adhesive							
Precious Metals	Silver	7440-22-4	0.131281	80.000122	800001	0.058586	586
Thermoplastics	Epoxy	85954-11-6	0.03282	19.999878	199999	0.014646	146
Sub-Total			0.164101	100	1000000	0.073233	732
Lead Frame							
Copper and Its Alloys	Copper	7440-50-8	37.664505	97.425	974250	16.808359	168084
Copper and Its Alloys	Iron	7439-89-6	0.92784	2.4	24000	0.414063	4141
Copper and Its Alloys	Phosphorus	7723-14-0	0.005799	0.015	150	0.002588	26
Other Nonferrous Metals and Alloys	Lead	7439-92-1	0.011598	0.03	300	0.005176	52
Other Nonferrous Metals and Alloys	Tin	7440-31-5	0.011598	0.03	300	0.005176	52
Zinc and Its Alloys	Zinc	7440-66-6	0.03866	0.1	1000	0.017253	173
Sub-Total			38.66	100	1000000	17.252614	172526
Lead Frame Plating							
Nickel and Its Alloys	Nickel	7440-02-0	1.655088	95.12	951200	0.738608	7386
Precious Metals	Gold	7440-57-5	0.013572	0.78	7800	0.006057	61
Precious Metals	Palladium	7440-05-3	0.07134	4.1	41000	0.031837	318
Sub-Total			1.74	100	1000000	0.776501	7765
Mold Compound							
Other Inorganic Materials	Fused Silica	60676-86-0	160.961185	88	880000	71.83138	718314
Other Plastics and Rubber	Carbon Black	1333-86-4	0.548731	0.3	3000	0.24488	2449
Other Plastics and Rubber	Organic Phosphorus	1330-78-5	1.006007	0.55	5500	0.448946	4489
Thermoplastics	Epoxy	85954-11-6	20.394514	11.15	111500	9.101362	91014
Sub-Total			182.910437	100	1000000	81.626568	816266
Semiconductor Device							
Ceramics / Glass	Doped Silicon	7440-21-3	0.537078	100	1000000	0.239679	2397
Sub-Total			0.537078	100	1000000	0.239679	2397
Total			224.08199			100	1000000

Important Note

The ppm calculations are at the **homogeneous material** level and are maximum concentration values. The ppm displayed represents the **homogeneous material** with the highest ppm for that substance. The amount (mg) calculations represent the maximum total amount of each substance within the component.
 The ppm calculations are at the **component** level and are average concentration values. The amount (mg) calculations represent the average total amount of each substance within the **component**.
[See Glossary of Terms for more details.](#)

Important Part Information

There is a remote possibility the Customer Part Number (CPN) your company uses could reference more than one TI part number. This is due to two or more users (EMSi or subcontractors) using the same CPN for different TI part numbers. If this occurs, please check your Customer Part Number and cross reference it with the TI part number seen on this page.

Product Content Methodology

[For an explanation of the methods used to determine material weights, See Product Content Methodology.](#)

Material Declaration Certificate for Semiconductor IC Packaged Products

TI certifies that the material content information provided by TI is representative and accurate to the best of their knowledge based on material information provided by its suppliers and their combination into finished IC packaged products. TI semiconductor products designated to be "Pb-free", "Green" or "RoHS Exempt" fully meets the latest EU RoHS Directive requirements along with other legislation as seen in the former JIG-101 list that has been transferred to the IEC 62474 database.

Important Information/Disclaimer

TI bases its material content information on information provided by third-party suppliers and has taken, and continues to take, reasonably diligent steps to provide any required or available information. TI may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. TI and TI suppliers may consider certain information to be proprietary, and thus certain information may not be available for release by TI. The material content information is provided by TI "as is."

[For additional information, please contact TI customer support.](#)

[Signature: \(click here for a fuller statement with a signed certificate\)](#)

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 For further environmental statements, please go to www.ti.com/ecoinfo
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RoHS: Means TI semiconductor products that are compliant with the current RoHS requirement that the maximum concentration values of the ten substances listed in RoHS Annex II do not exceed 0.1 % by weight in homogeneous materials. Where designed to be soldered at high temperatures, TI semiconductor products labeled as "RoHS Compliant" are suitable for use in specified lead-free processes. TI may also reference these types of semiconductor products as "Pb-Free." These TI semiconductor products are also fully compliant with GADSL and the IEC 62474 database for electronic requirements.

RoHS Exempt: Means TI semiconductor products that contain lead (Pb) above the RoHS Annex II threshold, but that fall within one of the specific RoHS exemptions noted above or documented in <http://www.ti.com/lit/pdf/szzq088>

Green: Means the content of Chlorine (Cl) and Bromine (Br)-based flame retardants meet JS709B low halogen requirements of <=1 000ppm threshold; Antimony trioxide (Sb2O3) contained in halogen based flame retardant materials meets the <=1 000ppm threshold requirement; and Beryllium Oxide (BeO) is <=1000ppm.