

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: 05/19/2022

Details for "SN74LVC1G34DCKR"

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)*
SN74LVC1G34DCKR	NIPDAU	Level-1-260C-UNLIM	Ext-Mfg	CK 5	1.25x2x0.9	7.2

*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							
Not Categorized	Proprietary Materials		0.000001	0.009958	100	0.000014	0
Precious Metals	Gold	7440-57-5	0.010041	99.990042	999900	0.139592	1396
Sub-Total			0.010042	100	1000000	0.139605	1396
Die Attach Adhesive							
Precious Metals	Silver	7440-22-4	0.036286	72.999779	729998	0.504454	5045
Thermoplastics	Epoxy	85954-11-6	0.013421	27.000221	270002	0.186581	1866
Sub-Total			0.049707	100	1000000	0.691035	6910
Lead Frame							
Copper and Its Alloys	Copper	7440-50-8	3.27226	96.39	963900	45.560985	455610
Copper and Its Alloys	Iron	7439-89-6	0.085	2.5	25000	1.181683	11817
Copper and Its Alloys	Phosphorus	7723-14-0	0.00442	0.13	1300	0.061448	614
Nickel and Its Alloys	Nickel	7440-02-0	0.0272	0.8	8000	0.378139	3781
Other Nonferrous Metals and Alloys	Lead	7439-92-1	0.00034	0.01	100	0.004727	47
Zinc and Its Alloys	Zinc	7440-66-6	0.00578	0.17	1700	0.080354	804
Sub-Total			3.4	100	1000000	47.267336	472673
Lead Frame Plating							
Nickel and Its Alloys	Nickel	7440-02-0	0.011414	95.116667	951167	0.158679	1587
Precious Metals	Gold	7440-57-5	0.000094	0.783333	7833	0.001307	13
Precious Metals	Palladium	7440-05-3	0.000492	4.1	41000	0.00684	68
Sub-Total			0.012	100	1000000	0.166826	1668
Mold Compound							
Other Inorganic Materials	Fused Silica	60676-86-0	3.127494	86.995007	869950	43.478915	434789
Other Plastics and Rubber	Carbon Black	1333-86-4	0.017975	0.499996	5000	0.249891	2499
Other Plastics and Rubber	Organic Phosphorus	1330-78-5	0.00018	0.005007	50	0.002502	25
Thermoplastics	Epoxy	85954-11-6	0.449378	12.49999	125000	6.247324	62473
Sub-Total			3.595027	100	1000000	49.978632	499786
Semiconductor Device							
Ceramics / Glass	Doped Silicon	7440-21-3	0.126352	100	1000000	1.756565	17566
Sub-Total			0.126352	100	1000000	1.756565	17566
Total			7.193128			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: [\(click here for a fuller statement with a signed certificate\)](#)

Name/Title: Hubie Payne, Vice President, Worldwide SC Quality
 For further environmental statements, please go to www.ti.com/ecoinfo
 Created on: 05/19/2022

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.