#### Supplier Name: Contact Info: Form/Declaration Type: Created on:

#### Texas Instruments Inc. (DUNS# 00-732-1904) ti.com/support Distribute - RoHS and IEC 62474 DB

05/30/2022

# Details for "INA134UA/2K5E4"

**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)*
INA134UA/2K5E4	NIPDAU	Level-3-260C-168 HR	TI MALAYSIA A/T	D   8	3.91x4.9x1.58	86.6

\*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**

				Homogeneous Material Level		Component Level		
Component	Substance	CAS Number	Amount (mg)	Percentage %	ppm	Percentage %	ppm	
Bond Wire								
Other Nonferrous Metals and Alloys	Yttrium	7440-65-5	0.000001	0.000975	10	0.000001	0	
Precious Metals	Gold	7440-57-5	0.102587	99.99805	999981	0.118496	1185	
Precious Metals	Silver	7440-22-4	0.000001	0.000975	10	0.000001	0	
Sub-Total			0.102589	100	1000000	0.118499	1185	
Die Attach Adhesive								
Other Inorganic Materials	Silica	7631-86-9	0.01343	2.000012	20000	0.015513	155	
Precious Metals	Silver	7440-22-4	0.463332	68.999964	690000	0.535186	5352	
Thermoplastics	Epoxy	85954-11-6	0.194734	29.000024	290000	0.224934	2249	
Sub-Total			0.671496	100	1000000	0.775632	7756	
Lead Frame								
Copper and Its Alloys	Copper	7440-50-8	24.76652	99.865	998650	28.607339	286073	
Copper and Its Alloys	Iron	7439-89-6	0.0248	0.1	1000	0.028646	286	
Copper and Its Alloys	Phosphorus	7723-14-0	0.00868	0.035	350	0.010026	100	
Sub-Total			24.8	100	1000000	28.646011	286460	
Lead Frame Plating								
Nickel and Its Alloys	Nickel	7440-02-0	0.456576	95.12	951200	0.527382	5274	
Precious Metals	Gold	7440-57-5	0.003744	0.78	7800	0.004325	43	
Precious Metals	Palladium	7440-05-3	0.01968	4.1	41000	0.022732	227	
Sub-Total			0.48	100	1000000	0.554439	5544	
Mold Compound								
Other Inorganic Materials	Fused Silica	60676-86-0	50.157103	86	860000	57.935522	579355	
Other Plastics and Rubber	Carbon Black	1333-86-4	0.174967	0.300001	3000	0.202101	2021	
Other Plastics and Rubber	Organic Phosphorus	1330-78-5	0.320772	0.55	5500	0.370518	3705	
Thermoplastics	Epoxy	85954-11-6	7.669371	13.15	131500	8.858746	88587	
Sub-Total			58.322213	100	1000000	67.366886	673669	
Semiconductor Device								
Ceramics / Glass	Doped Silicon	7440-21-3	2.197709	100	1000000	2.538532	25385	
Sub-Total			2.197709	100	1000000	2.538532	25385	
Total			86.574007			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 (EMSIs 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/Disclaiment

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: 05/30/2022

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, II semiconductor products labeled as "RoHS Compliant" are suitable for use in specified lead-free processes. TI may also reference these types of semiconductor products are "Poi-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 (CI) and Bromine (Br)-based flame retardants meet JS709B low halogen requirements of <=1 000ppm threshold; Antimony trioxide (Sb203) contained in halogen based flame retardant materials meets the <=1 000ppm threshold requirement; and Beryllium Oxide (BeO) is <=1000ppm.