

Supplier Name: Texas Instruments Inc. (DUNS# 00-732-1904)  
Contact Info: [ti.com/support](https://ti.com/support)  
Form/Declaration Type: Distribute - RoHS and IEC 62474 DB  
Created on: 06/14/2022

Details for "LP2954AISX/NOPB"

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)*
LP2954AISX/NOPB	SN	Level-3-245C-168 HR	Texas Instruments Electronics	KTT   3	10.2 x 9 x 4.5	1454.3

**\*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
<a href="#">Exempt-7(a)</a>	Affected	Yes	Affected

Component Information

				Homogeneous Material Level		Component Level	
Component	Substance	CAS Number	Amount (mg)	Percentage %	ppm	Percentage %	ppm
<b>Bond Wire</b>							
Precious Metals	Gold	7440-57-5	0.204687	100	1000000	0.014075	141
Sub-Total			0.204687	100	1000000	0.014075	141
<b>Die Attach Adhesive</b>							
Other Nonferrous Metals and Alloys	Lead	7439-92-1	2.191964	95.500011	955000	0.150722	1507
Other Nonferrous Metals and Alloys	Tin	7440-31-5	0.045905	2	20000	0.003156	32
Precious Metals	Silver	7440-22-4	0.057381	2.499989	25000	0.003946	39
Sub-Total			2.29525	100	1000000	0.157824	1578
<b>Lead Frame</b>							
Copper and Its Alloys	Copper	7440-50-8	643.242325	99.55	995500	44.230169	442302
Copper and Its Alloys	Phosphorus	7723-14-0	0.064615	0.01	100	0.004443	44
Other Nonferrous Metals and Alloys	Tin	7440-31-5	0.969225	0.15	1500	0.066645	666
Precious Metals	Silver	7440-22-4	1.873835	0.29	2900	0.128847	1288
Sub-Total			646.15	100	1000000	44.430104	444301
<b>Lead Frame Plating</b>							
Other Nonferrous Metals and Alloys	Tin	7440-31-5	12.8	100	1000000	0.880144	8801
Sub-Total			12.8	100	1000000	0.880144	8801
<b>Mold Compound</b>							
Other Inorganic Materials	Fused Silica	60676-86-0	702.829729	89	890000	48.327475	483275
Other Nonferrous Metals and Alloys	Metal Hydroxide	Trade Secret	23.69089	3	30000	1.629016	16290
Thermoplastics	Epoxy	85954-11-6	63.175706	8	80000	4.344043	43440
Sub-Total			789.696325	100	1000000	54.300534	543005
<b>Semiconductor Device</b>							
Ceramics / Glass	Doped Silicon	7440-21-3	3.160483	100	1000000	0.217319	2173
Sub-Total			3.160483	100	1000000	0.217319	2173
Total			1454.306745			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](https://www.ti.com/ecoinfo)  
Created on: 06/14/2022

**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 J5709B 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.