

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: **05/06/2022**

Details for "TLV2362ID"

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)*
TLV2362ID	NIPDAU	Level-1-260C-UNLIM	TI AGUASCALIENTES	D 8	3.91x4.9x1.58	108.1

***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	0.044806	99.997768	999978	0.041444	414
Precious Metals	Silver	7440-22-4	0.000001	0.002232	22	0.000001	0
Sub-Total			0.044807	100	1000000	0.041444	414
Die Attach Adhesive							
Precious Metals	Silver	7440-22-4	0.121639	78.999701	789997	0.112511	1125
Thermoplastics	Epoxy	85954-11-6	0.032335	21.000299	210003	0.029908	299
Sub-Total			0.153974	100	1000000	0.142419	1424
Lead Frame							
Copper and Its Alloys	Copper	7440-50-8	45.310704	97.05	970500	41.910352	419104
Copper and Its Alloys	Iron	7439-89-6	1.213888	2.6	26000	1.122791	11228
Copper and Its Alloys	Phosphorus	7723-14-0	0.070032	0.15	1500	0.064776	648
Zinc and Its Alloys	Zinc	7440-66-6	0.093376	0.2	2000	0.086369	864
Sub-Total			46.688	100	1000000	43.184288	431843
Lead Frame Plating							
Nickel and Its Alloys	Nickel	7440-02-0	0.154094	95.119753	951198	0.14253	1425
Precious Metals	Gold	7440-57-5	0.001264	0.780247	7802	0.001169	12
Precious Metals	Palladium	7440-05-3	0.006642	4.1	41000	0.006144	61
Sub-Total			0.162	100	1000000	0.149843	1498
Mold Compound							
Other Inorganic Materials	Fused Silica	60676-86-0	53.244124	87.999999	880000	49.248406	492484
Other Plastics and Rubber	Carbon Black	1333-86-4	0.181514	0.3	3000	0.167892	1679
Other Plastics and Rubber	Organic Phosphorus	1330-78-5	0.332776	0.55	5500	0.307803	3078
Thermoplastics	Epoxy	85954-11-6	6.746273	11.150001	111500	6.239997	6240
Sub-Total			60.504687	100	1000000	55.964099	559641
Semiconductor Device							
Ceramics / Glass	Doped Silicon	7440-21-3	0.559927	100	1000000	0.517907	5179
Sub-Total			0.559927	100	1000000	0.517907	5179
Total			108.113395			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
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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.