

Supplier Name: Texas Instruments Inc. (DUNS# 00-732-1904)  
 Contact Info: [ti.com/support](http://ti.com/support)  
 Form/Declaration Type: Distribute - RoHS and IEC 62474 DB  
 Created on: 06/02/2022

Details for "LP2989IM-2.5/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)*
LP2989IM-2.5/NOPB	SN	Level-1-260C-UNLIM	Texas Instruments Electronics	D   8	4.9 x 3.9 x 1.75	82.4

\*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
<b>Bond Wire</b>							
Copper and Its Alloys	Copper	7440-50-8	0.048675	99.997946	999979	0.05904	590
Precious Metals	Silver	7440-22-4	0.000001	0.002054	21	0.000001	0
Sub-Total			0.048676	100	1000000	0.059041	590
<b>Die Attach Adhesive</b>							
Precious Metals	Silver	7440-22-4	0.412548	75	750000	0.500394	5004
Thermoplastics	Epoxy	85954-11-6	0.137516	25	250000	0.166798	1668
Sub-Total			0.550064	100	1000000	0.667192	6672
<b>Lead Frame</b>							
Copper and Its Alloys	Copper	7440-50-8	20.03484	96.6	966000	24.300965	243010
Copper and Its Alloys	Iron	7439-89-6	0.493612	2.38	23800	0.598719	5987
Copper and Its Alloys	Phosphorus	7723-14-0	0.006222	0.03	300	0.007547	75
Precious Metals	Silver	7440-22-4	0.180438	0.87	8700	0.21886	2189
Zinc and Its Alloys	Zinc	7440-66-6	0.024888	0.12	1200	0.030188	302
Sub-Total			20.74	100	1000000	25.156278	251563
<b>Lead Frame Plating</b>							
Other Nonferrous Metals and Alloys	Tin	7440-31-5	1.6	100	1000000	1.940696	19407
Sub-Total			1.6	100	1000000	1.940696	19407
<b>Mold Compound</b>							
Other Inorganic Materials	Fused Silica	60676-86-0	50.312424	89.000001	890000	61.025715	610257
Other Nonferrous Metals and Alloys	Metal Hydroxide	Trade Secret	1.695924	2.999999	30000	2.057046	20570
Thermoplastics	Epoxy	85954-11-6	4.522465	8	80000	5.485457	54855
Sub-Total			56.530813	100	1000000	68.568219	685682
<b>Semiconductor Device</b>							
Ceramics / Glass	Doped Silicon	7440-21-3	2.975075	100	1000000	3.608574	36086
Sub-Total			2.975075	100	1000000	3.608574	36086
<b>Total</b>			82.444628			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](http://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/szsq088>

**Green:** Means the content of Chlorine (Cl) and Bromine (Br)-based flame retardants meet J5709B 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.