

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: 06/04/2022

Details for "OPA2837IDGKT"

**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)*
OPA2837IDGKT	NIPDAUAG	Level-2-260C-1 YEAR	Ext-Mfg	DGK   8	3x3x1	27.8

**\*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>							
Not Categorized	Proprietary Materials		0.000008	0.007535	75	0.000029	0
Precious Metals	Gold	7440-57-5	0.106167	99.992465	999925	0.381905	3819
Sub-Total			<b>0.106175</b>	<b>100</b>	<b>1000000</b>	<b>0.381934</b>	<b>3819</b>
<b>Die Attach Adhesive</b>							
Precious Metals	Silver	7440-22-4	0.180113	82	820000	0.647905	6479
Thermoplastics	Epoxy	85954-11-6	0.039537	18	180000	0.142223	1422
Sub-Total			<b>0.21965</b>	<b>100</b>	<b>1000000</b>	<b>0.790127</b>	<b>7901</b>
<b>Lead Frame</b>							
Copper and Its Alloys	Copper	7440-50-8	12.163924	96.157502	961575	43.756205	437562
Magnesium and Its Alloys	Magnesium	7439-95-4	0.021758	0.172	1720	0.078268	783
Nickel and Its Alloys	Nickel	7440-02-0	0.371467	2.936498	29365	1.336245	13362
Other inorganic Materials	Silicon	7440-21-3	0.090131	0.712498	7125	0.32422	3242
Precious Metals	Silver	7440-22-4	0.00272	0.021502	215	0.009784	98
Sub-Total			<b>12.65</b>	<b>100</b>	<b>1000000</b>	<b>45.504723</b>	<b>455047</b>
<b>Lead Frame Plating</b>							
Nickel and Its Alloys	Nickel	7440-02-0	0.509852	97.3	973000	1.834045	18340
Precious Metals	Gold	7440-57-5	0.001572	0.3	3000	0.005655	57
Precious Metals	Palladium	7440-05-3	0.011004	2.1	21000	0.039584	396
Precious Metals	Silver	7440-22-4	0.001572	0.3	3000	0.005655	57
Sub-Total			<b>0.524</b>	<b>100</b>	<b>1000000</b>	<b>1.884939</b>	<b>18849</b>
<b>Mold Compound</b>							
Other Inorganic Materials	Fused Silica	60676-86-0	12.004919	87.700001	877000	43.184231	431842
Other Plastics and Rubber	Carbon Black	1333-86-4	0.041066	0.300001	3000	0.147723	1477
Thermoplastics	Epoxy	85954-11-6	1.642634	11.999998	120000	5.908902	59089
Sub-Total			<b>13.688619</b>	<b>100</b>	<b>1000000</b>	<b>49.240855</b>	<b>492409</b>
<b>Semiconductor Device</b>							
Ceramics / Glass	Doped Silicon	7440-21-3	0.610868	100	1000000	2.197421	21974
Sub-Total			<b>0.610868</b>	<b>100</b>	<b>1000000</b>	<b>2.197421</b>	<b>21974</b>
<b>Total</b>			<b>27.799312</b>			<b>100</b>	<b>1000000</b>

**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."

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[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 assemblies.

**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.