

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: 06/04/2022

Details for "OPA2835ID"

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)*
OPA2835ID	NIPDAU	Level-2-260C-1 YEAR	TI AGUASCALIENTES	D 8	4.9x3.9x1.75	108.2

*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							
Precious Metals	Gold	7440-57-5	0.11637	100	1000000	0.107517	1075
Sub-Total			0.11637	100	1000000	0.107517	1075
Die Attach Adhesive							
Precious Metals	Silver	7440-22-4	0.163133	79.000179	790002	0.150723	1507
Thermoplastics	Epoxy	85954-11-6	0.043364	20.999821	209998	0.040065	401
Sub-Total			0.206497	100	1000000	0.190788	1908
Lead Frame							
Copper and Its Alloys	Copper	7440-50-8	45.310704	97.05	970500	41.863748	418637
Copper and Its Alloys	Iron	7439-89-6	1.213888	2.6	26000	1.121543	11215
Copper and Its Alloys	Phosphorus	7723-14-0	0.070032	0.15	1500	0.064704	647
Zinc and Its Alloys	Zinc	7440-66-6	0.093376	0.2	2000	0.086273	863
Sub-Total			46.688	100	1000000	43.136268	431363
Lead Frame Plating							
Nickel and Its Alloys	Nickel	7440-02-0	0.154094	95.119753	951198	0.142371	1424
Precious Metals	Gold	7440-57-5	0.001264	0.780247	7802	0.001168	12
Precious Metals	Palladium	7440-05-3	0.006642	4.1	41000	0.006137	61
Sub-Total			0.162	100	1000000	0.149676	1497
Mold Compound							
Other Inorganic Materials	Fused Silica	60676-86-0	53.072758	87.999999	880000	49.035314	490353
Other Plastics and Rubber	Carbon Black	1333-86-4	0.18093	0.3	3000	0.167166	1672
Other Plastics and Rubber	Organic Phosphorus	1330-78-5	0.331705	0.55	5500	0.306471	3065
Thermoplastics	Epoxy	85954-11-6	6.72456	11.15	111500	6.212997	62130
Sub-Total			60.309953	100	1000000	55.721948	557219
Semiconductor Device							
Ceramics / Glass	Doped Silicon	7440-21-3	0.750928	100	1000000	0.693802	6938
Sub-Total			0.750928	100	1000000	0.693802	6938
Total			108.233748			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
 Created on: 06/04/2022

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 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.