

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: 06/11/2022

Details for "TPS73216DBVTG4"

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)*
TPS73216DBVTG4	NIPDAU	Level-2-260C-1 YEAR	Ext-Mfg	DBV   5	2.9x1.6x1.45	20.3

\*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
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>							
Precious Metals	Gold	7440-57-5	0.061667	99.998378	999984	0.303935	3039
Precious Metals	Silver	7440-22-4	0.000001	0.001622	16	0.000005	0
Sub-Total			<b>0.061668</b>	<b>100</b>	<b>1000000</b>	<b>0.30394</b>	<b>3039</b>
<b>Die Attach Adhesive</b>							
Precious Metals	Silver	7440-22-4	0.16559	74.999887	749999	0.816136	8161
Thermoplastics	Epoxy	85954-11-6	0.055197	25.000113	250001	0.272047	2720
Sub-Total			<b>0.220787</b>	<b>100</b>	<b>1000000</b>	<b>1.088183</b>	<b>10882</b>
<b>Lead Frame</b>							
Copper and Its Alloys	Copper	7440-50-8	7.80776	97.597	975970	38.481746	384817
Copper and Its Alloys	Iron	7439-89-6	0.1784	2.23	22300	0.879272	8793
Copper and Its Alloys	Phosphorus	7723-14-0	0.0028	0.035	350	0.0138	138
Zinc and Its Alloys	Zinc	7440-66-6	0.01104	0.138	1380	0.054412	544
Sub-Total			<b>8</b>	<b>100</b>	<b>1000000</b>	<b>39.42923</b>	<b>394292</b>
<b>Lead Frame Plating</b>							
Nickel and Its Alloys	Nickel	7440-02-0	0.085608	95.12	951200	0.421932	4219
Precious Metals	Gold	7440-57-5	0.000702	0.78	7800	0.00346	35
Precious Metals	Palladium	7440-05-3	0.00369	4.1	41000	0.018187	182
Sub-Total			<b>0.09</b>	<b>100</b>	<b>1000000</b>	<b>0.443579</b>	<b>4436</b>
<b>Mold Compound</b>							
Other Inorganic Materials	Fused Silica	60676-86-0	9.644739	86.999999	870000	47.535579	475356
Other Plastics and Rubber	Carbon Black	1333-86-4	0.011086	0.100001	1000	0.054639	546
Thermoplastics	Epoxy	85954-11-6	1.430082	12.9	129000	7.048379	70484
Sub-Total			<b>11.085907</b>	<b>100</b>	<b>1000000</b>	<b>54.638598</b>	<b>546386</b>
<b>Semiconductor Device</b>							
Ceramics / Glass	Doped Silicon	7440-21-3	0.831154	100	1000000	4.09647	40965
Sub-Total			<b>0.831154</b>	<b>100</b>	<b>1000000</b>	<b>4.09647</b>	<b>40965</b>
<b>Total</b>			<b>20.289516</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 (EMSIs 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 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.