

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: 06/09/2022

Details for "TLV803EA43DBZR"

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)*
TLV803EA43DBZR	SN	Level-1-260C-UNLIM	Ext-Mfg	DBZ   3	2.9x1.3x0.95	10.9

\*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	0.005877	95.158679	951587	0.053812	538
Precious Metals	Gold	7440-57-5	0.000046	0.744819	7448	0.000421	4
Precious Metals	Palladium	7440-05-3	0.000253	4.096503	40965	0.002317	23
Sub-Total			<b>0.006176</b>	<b>100</b>	<b>1000000</b>	<b>0.05655</b>	<b>565</b>
<b>Die Attach Adhesive</b>							
Precious Metals	Silver	7440-22-4	0.030324	80	800000	0.277657	2777
Thermoplastics	Epoxy	85954-11-6	0.007581	20	200000	0.069414	694
Sub-Total			<b>0.037905</b>	<b>100</b>	<b>1000000</b>	<b>0.347071</b>	<b>3471</b>
<b>Lead Frame</b>							
Copper and Its Alloys	Copper	7440-50-8	4.738284	97.430001	974300	43.385313	433853
Copper and Its Alloys	Iron	7439-89-6	0.114287	2.350003	23500	1.04645	10464
Copper and Its Alloys	Phosphorus	7723-14-0	0.004863	0.099994	1000	0.044527	445
Other Nonferrous Metals and Alloys	Lead	7439-92-1	0.000973	0.020007	200	0.008909	89
Zinc and Its Alloys	Zinc	7440-66-6	0.004863	0.099994	1000	0.044527	445
Sub-Total			<b>4.86327</b>	<b>100</b>	<b>1000000</b>	<b>44.529727</b>	<b>445297</b>
<b>Lead Frame Plating</b>							
Other Nonferrous Metals and Alloys	Tin	7440-31-5	0.004	100	1000000	0.036625	366
Sub-Total			<b>0.004</b>	<b>100</b>	<b>1000000</b>	<b>0.036625</b>	<b>366</b>
<b>Mold Compound</b>							
Other Inorganic Materials	Fused Silica	60676-86-0	5.148293	86.849993	868500	47.139492	471395
Other Organic Materials	Proprietary Non Halide Flame Retardant	Trade Secret	0.029639	0.5	5000	0.271385	2714
Other Plastics and Rubber	Carbon Black	1333-86-4	0.008892	0.150005	1500	0.081418	814
Thermoplastics	Epoxy	85954-11-6	0.740975	12.50002	125000	6.784615	67846
Sub-Total			<b>5.927799</b>	<b>100</b>	<b>1000000</b>	<b>54.27691</b>	<b>542769</b>
<b>Semiconductor Device</b>							
Ceramics / Glass	Doped Silicon	7440-21-3	0.082251	100	1000000	0.753118	7531
Sub-Total			<b>0.082251</b>	<b>100</b>	<b>1000000</b>	<b>0.753118</b>	<b>7531</b>
<b>Total</b>			<b>10.921401</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's 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.