

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: 06/12/2022

Details for "TXU0202DCUR"

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)*
TXU0202DCUR	SN	Level-1-260C-UNLIM	Ext-Mfg	DCU 8	2x2.3x0.75	10

*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							
Copper and Its Alloys	Copper	7440-50-8	0.017824	95.15776	951578	0.177558	1776
Precious Metals	Gold	7440-57-5	0.000139	0.742085	7421	0.001385	14
Precious Metals	Palladium	7440-05-3	0.000768	4.100155	41002	0.007651	77
Sub-Total			0.018731	100	1000000	0.186593	1866
Die Attach Adhesive							
Precious Metals	Silver	7440-22-4	0.04048	80	800000	0.40325	4033
Thermoplastics	Epoxy	85954-11-6	0.01012	20	200000	0.100813	1008
Sub-Total			0.0506	100	1000000	0.504063	5041
Lead Frame							
Copper and Its Alloys	Copper	7440-50-8	4.082478	97.225006	972250	40.668495	406685
Copper and Its Alloys	Iron	7439-89-6	0.08398	2	20000	0.836585	8366
Copper and Its Alloys	Phosphorus	7723-14-0	0.003464	0.082496	825	0.034507	345
Other Nonferrous Metals and Alloys	Lead	7439-92-1	0.00021	0.005001	50	0.002092	21
Precious Metals	Silver	7440-22-4	0.023619	0.562491	5625	0.235286	2353
Zinc and Its Alloys	Zinc	7440-66-6	0.005249	0.125006	1250	0.052289	523
Sub-Total			4.199	100	1000000	41.829254	418293
Lead Frame Plating							
Other Nonferrous Metals and Alloys	Tin	7440-31-5	0.023	100	1000000	0.22912	2291
Sub-Total			0.023	100	1000000	0.22912	2291
Mold Compound							
Other Inorganic Materials	Fused Silica	60676-86-0	4.899425	86.60001	866000	48.806691	488067
Other Plastics and Rubber	Carbon Black	1333-86-4	0.008486	0.149995	1500	0.084535	845
Thermoplastics	Epoxy	85954-11-6	0.749623	13.249995	132500	7.467533	74675
Sub-Total			5.657534	100	1000000	56.358759	563588
Semiconductor Device							
Ceramics / Glass	Doped Silicon	7440-21-3	0.089564	100	1000000	0.892211	8922
Sub-Total			0.089564	100	1000000	0.892211	8922
Total			10.038429			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
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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 J57098 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.