

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: 06/11/2022

Details for "TPS72009YZUT"

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)*
TPS72009YZUT	SNAGCU	Level-1-260C-UNLIM	TI PHILIPPINES CLARK A/T	YZU 5	1.004x1.372x.304	1.6

*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
Back Side Coating							
Other Inorganic Materials	Silica	7631-86-9	0.050063	55.066326	550663	3.138919	31389
Other Plastics and Rubber	Carbon Black	1333-86-4	0.001538	1.691709	16917	0.096432	964
Other Plastics and Rubber	Imidazole Derivative	288-32-4	0.000342	0.37618	3762	0.021443	214
Thermoplastics	Epoxy	85954-11-6	0.038971	42.865785	428658	2.443458	24435
Sub-Total			0.090914	100	1000000	5.700252	57003
Semiconductor Device							
Ceramics / Glass	Doped Silicon	7440-21-3	0.97785	100	1000000	61.310593	613106
Sub-Total			0.97785	100	1000000	61.310593	613106
Solder Bump							
Aluminum and Its Alloys	Aluminum	7429-90-5	0.000158	0.03003	300	0.009907	99
Copper and Its Alloys	Copper	7440-50-8	0.003157	0.600021	6000	0.197942	1979
Copper and Its Alloys	Iron	7439-89-6	0.000105	0.019956	200	0.006583	66
Other Nonferrous Metals and Alloys	Antimony	7440-36-0	0.000263	0.049986	500	0.01649	165
Other Nonferrous Metals and Alloys	Arsenic	7440-38-2	0.000158	0.03003	300	0.009907	99
Other Nonferrous Metals and Alloys	Bismuth	7440-69-9	0.000263	0.049986	500	0.01649	165
Other Nonferrous Metals and Alloys	Cadmium	7440-43-9	0.000011	0.002091	21	0.00069	7
Other Nonferrous Metals and Alloys	Tin	7440-31-5	0.501508	95.316907	953169	31.444243	314442
Precious Metals	Silver	7440-22-4	0.02052	3.900043	39000	1.286591	12866
Zinc and Its Alloys	Zinc	7440-66-6	0.000005	0.00095	10	0.000313	3
Sub-Total			0.526148	100	1000000	32.989156	329892
Total			1.594912			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 (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."
[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 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.