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 "OMAPL137DZKB4"

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)*
OMAPL137DZKB4	SNAGCU	Level-3-260C-168 HR	TI PHILIPPINES A/T	ZKB 256	17x17x1.36	914.1

*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

				Homogeneous Material Level		Component Level	
Component	Substance	CAS Number	Amount (mg)	Percentage %	ppm	Percentage %	ppm
Bond Wire							
Copper and Its Alloys	Copper	7440-50-8	1.944262	97.585731	975857	0.212696	2127
Nickel and Its Alloys	Nickel	7440-02-0	0.00001	0.000502	5	0.000001	0
Not Categorized	Proprietary Materials		0.000219	0.010992	110	0.000024	0
Precious Metals	Palladium	7440-05-3	0.047814	2.399864	23999	0.005231	52
Precious Metals	Silver	7440-22-4	0.000058	0.002911	29	0.000006	0
Sub-Total			1.992363	100	1000000	0.217958	2180
Die Attach Adhesive							
Precious Metals	Silver	7440-22-4	4.520763	81.999994	820000	0.494558	4946
Thermoplastics	Ероху	85954-11-6	0.992363	18.000006	180000	0.108561	1086
Sub-Total			5.513126	100	1000000	0.603119	6031
Mold Compound							
Other Inorganic Materials	Aluminum Nitride	24304-00-5	3.35615	1	10000	0.367153	3672
Other Inorganic Materials	Fused Silica	60676-86-0	284,702197	84.83	848300	31.145547	311455
Other Nonferrous Metals and Alloys	Metal Oxide	Trade Secret	3.691765	1.1	11000	0.403868	4039
Other Organic Materials	Bromine	7726-95-6	0.067123	0.02	200	0.007343	73
Other Organic Materials	Chlorine	7782-50-5	0.067123	0.02	200	0.007343	73
Other Plastics and Rubber	Carbon Black	1333-86-4	1.006845	0.3	3000	0.110146	1101
Other Plastics and Rubber	Silicone	218163-11-2	2 68492	0.8	8000	0.293722	2937
Thermonlastics	Enory	85954-11-6	40.038868	11 93	119300	4 380129	43801
Sub-Total	cpoxy	05554 11 0	335.614991	100	1000000	36,715251	367153
Semiconductor Device							
Ceramics / Glass	Doned Silicon	7440-21-3	17 326358	100	1000000	1 89545	18955
Sub-Total	Boped Sileon	7440 21 5	17.326358	100	1000000	1 89545	18955
Solder Ball			171520550	100	100000	2105545	10555
Aluminum and Its Alloys	Aluminum	7429-90-5	0.002147	0.001	10	0.000235	2
Copper and its Alloys	Copper	7425 50 5	1 073278	0.001	5000	0.117413	1174
Copper and its Allows	Iron	7439-89-6	0.042921	0.02	200	0.004697	47
Other Nonferrous Metals and Alloys	Antimony	7435-85-0	0.042331	0.02	200	0.004057	117
Other Nonferrous Metals and Alloys	Arconic	7440-28-2	0.064397	0.03	300	0.007045	70
Other Nonferrous Metals and Alloys	Rismuth	7440-58-2	0.064397	0.03	300	0.007045	70
Other Nonferrous Metals and Alloys	Cadmium	7440-03-5	0.004337	0.03	300	0.00043	70
Other Nonferrous Metals and Alloys	Tin	7440-21-5	206 854986	96 265 999	963660	22 629201	226202
Precious Metals	Silver	7440-31-5	6 429667	30.303333	30000	0 70448	7045
Zinc and Its Allows	Zinc	7440-22-4	0.002147	0.001	30000	0.000225	7045
Sub-Total	Line	7440 00 0	214 655571	100	1000000	22 482661	224927
Substrate			214.033371	100	1000000	23.482001	234027
Caramics / Glass	Woven Glass Eiber	65997-17-2	29 951051	8 5 1 0 0	85109	2 156215	21562
Conner and Its Allows	Copper	7440-50-8	109 412556	21 9904	319804	11 860111	119601
Nickel and Its Allows	Nickel	7440-02-0	5 795274	1 7066	17066	0.622902	6220
Othor Inorganic Materials	Inorganic Filler	7440-02-0	26.012165	7,6725	76735	0.032502	20450
Other Nonferrous Metals and Allous	Darium Sulfato	7727 42 7	20.013103	7.0733	/0/33	2.84370	20430
Other Organic Materials	Banun Sunate	7726 05 6	2.030/00	0.8374	63/4	0.00000	3100
Other Organic Materials	Chloring	7702 50 5	0.021018	0.0082	190	0.002239	25
Drosious Motols	Cold	7762-30-3	0.064071	0.0189	189	0.007009	1274
Thermoniaction	Enour	7440-37-3 95054 11 6	1.253022	0.3098	3098	0.13/142	191225
Cub Tabal	сроху	03334-11-0	105./5845/	48.8903	488963	18.133467	101335
Jub-Total	-		339	100	1000000	37.08556	370856
Total			914.102409			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

Interest as entitionination 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.

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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 material 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. ous materials

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 (Sb203) contained in halogen based flame retardant materials meets the <= 1 000ppm threshold requirement; and Beryllium Oxide (BeD) is <= 1000ppm.