Supplier Name: Texas Instruments Inc. (DUNS# 00-732-1904) ti.com/support Distribute - RoHS and IEC 62474 DB Contact Info: Form/Declaration Type: 06/02/2022 Created on:

Details for "LMV324Q1MAX/NOPB"

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)*
LMV324Q1MAX/NOPB	SN	Level-1-260C-UNLIM	Texas Instruments Electronics	D 14	8.7x3.9x1.75	150.4

*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							
Precious Metals	Gold	7440-57-5	0.175902	100	1000000	0.116978	1170
Sub-Total			0.175902	100	1000000	0.116978	1170
Die Attach Adhesive						•	
Precious Metals	Silver	7440-22-4	0.054532	75.000344	750003	0.036265	363
Thermoplastics	Epoxy	85954-11-6	0.018177	24.999656	249997	0.012088	121
Sub-Total			0.072709	100	1000000	0.048353	484
Lead Frame							
Copper and Its Alloys	Copper	7440-50-8	41.60034	96.7	967000	27.665062	276651
Copper and Its Alloys	Iron	7439-89-6	1.023876	2.38	23800	0.680898	6809
Copper and Its Alloys	Phosphorus	7723-14-0	0.012906	0.03	300	0.008583	86
Precious Metals	Silver	7440-22-4	0.331254	0.77	7700	0.220291	2203
Zinc and Its Alloys	Zinc	7440-66-6	0.051624	0.12	1200	0.034331	343
Sub-Total			43.02	100	1000000	28.609164	286092
Lead Frame Plating							
Other Nonferrous Metals and Alloys	Tin	7440-31-5	1.6	100	1000000	1.064032	10640
Sub-Total			1.6	100	1000000	1.064032	10640
Mold Compound							
Other Inorganic Materials	Fused Silica	60676-86-0	93.54748	89	890000	62.210954	622110
Other Nonferrous Metals and Alloys	Metal Hydroxide	Trade Secret	3.153286	3	30000	2.096999	20970
Thermoplastics	Epoxy	85954-11-6	8.408762	8	80000	5.591996	55920
Sub-Total			105.109528	100	1000000	69.899948	698999
Semiconductor Device							
Ceramics / Glass	Doped Silicon	7440-21-3	0.393257	100	1000000	0.261524	2615
Sub-Total			0.393257	100	1000000	0.261524	2615
Total			150.371396		1	100	1000000

Important Note

The pom calculations are at the homogeneous material level and are maximum concentration values. The pom displayed represents the homogeneous material with the highest pom

The procession of the amount (mg) calculations represent the maximum total amount of each substance within the component. The procession 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. Thand T supplies and provide of provide and provide and

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: 06/02/2022

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 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 (CI) and Bromine (Br)-based flame retardants meet J5709B 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 (BeO) is <=1000ppm.