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

06/01/2022

Details for "LM4901MMX/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)*
LM4901MMX/NOPB	SN	Level-1-260C-UNLIM	Texas Instruments Electronics	DGS 10	3 x 3 x 1	30.7

*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	0.042699	99.997658	999977	0.138934	1389		
Precious Metals	Silver	7440-22-4	0.000001	0.002342	23	0.000003	0		
Sub-Total			0.0427	100	1000000	0.138937	1389		
Die Attach Adhesive									
Precious Metals	Silver	7440-22-4	0.317154	75	750000	1.031957	10320		
Thermoplastics	Epoxy	85954-11-6	0.105718	25	250000	0.343986	3440		
Sub-Total			0.422872	100	1000000	1.375943	13759		
Lead Frame									
Copper and Its Alloys	Copper	7440-50-8	14.344358	96.53	965300	46.673732	466737		
Copper and Its Alloys	Iron	7439-89-6	0.353668	2.38	23800	1.150766	11508		
Copper and Its Alloys	Phosphorus	7723-14-0	0.004458	0.03	300	0.014505	145		
Precious Metals	Silver	7440-22-4	0.139684	0.94	9400	0.454504	4545		
Zinc and Its Alloys	Zinc	7440-66-6	0.017832	0.12	1200	0.058022	580		
Sub-Total			14.86	100	1000000	48.35153	483515		
Lead Frame Plating									
Other Nonferrous Metals and Alloys	Tin	7440-31-5	1.07	100	1000000	3.48157	34816		
Sub-Total			1.07	100	1000000	3.48157	34816		
Mold Compound									
Other Inorganic Materials	Fused Silica	60676-86-0	11.67915	89.000003	890000	38.001667	380017		
Other Nonferrous Metals and Alloys	Metal Hydroxide	Trade Secret	0.393679	2.999998	30000	1.280954	12810		
Thermoplastics	Epoxy	85954-11-6	1.049811	7.999998	80000	3.415879	34159		
Sub-Total			13.12264	100	1000000	42.698501	426985		
Semiconductor Device									
Ceramics / Glass	Doped Silicon	7440-21-3	1.215045	100	1000000	3.953518	39535		
Sub-Total			1.215045	100	1000000	3.953518	39535		
Total			30.733257			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)

Name/Title: Hubie Payne, Vice President, Worldwide SC Quality For further environmental statements, please go to www.ti.com/ecoinfo Created on: 06/01/2022

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 as "Pb-Free." These TI semiconductor products are also fully compliant with GADSL and the IEC 62474 database for electronic requirements

nductor 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/szzq0i RoHS Exempt: Means TI sem

Green: Means the content of Chlorine (Cl) 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.