

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: 05/19/2022

Details for "GD75232PW"

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)*
GD75232PW	NIPDAU	Level-1-260C-UNLIM	TI MALAYSIA A/T	PW 20	4.4x6.5x1.15	74.8

*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	0.082231	99.991488	999915	0.109884	1099
Not Categorized	Proprietary Materials		0.000006	0.007296	73	0.000008	0
Precious Metals	Silver	7440-22-4	0.000001	0.001216	12	0.000001	0
Sub-Total			0.082238	100	1000000	0.109894	1099
Die Attach Adhesive							
Precious Metals	Silver	7440-22-4	0.647907	79.999975	800000	0.865791	8658
Thermoplastics	Epoxy	85954-11-6	0.161977	20.000025	200000	0.216448	2164
Sub-Total			0.809884	100	1000000	1.082239	10822
Lead Frame							
Copper and Its Alloys	Copper	7440-50-8	27.85926	97.41	974100	37.228007	372280
Copper and Its Alloys	Iron	7439-89-6	0.6864	2.4	24000	0.917228	9172
Copper and Its Alloys	Phosphorus	7723-14-0	0.00858	0.03	300	0.011465	115
Other Nonferrous Metals and Alloys	Lead	7439-92-1	0.00858	0.03	300	0.011465	115
Other Nonferrous Metals and Alloys	Tin	7440-31-5	0.00858	0.03	300	0.011465	115
Zinc and Its Alloys	Zinc	7440-66-6	0.0286	0.1	1000	0.038218	382
Sub-Total			28.6	100	1000000	38.217849	382178
Lead Frame Plating							
Nickel and Its Alloys	Nickel	7440-02-0	0.437552	95.12	951200	0.584696	5847
Precious Metals	Gold	7440-57-5	0.003588	0.78	7800	0.004795	48
Precious Metals	Palladium	7440-05-3	0.01886	4.1	41000	0.025202	252
Sub-Total			0.46	100	1000000	0.614693	6147
Mold Compound							
Other Inorganic Materials	Fused Silica	60676-86-0	36.318995	86.000001	860000	48.532652	485327
Other Plastics and Rubber	Carbon Black	1333-86-4	0.126694	0.3	3000	0.1693	1693
Thermoplastics	Epoxy	85954-11-6	5.7857	13.699999	137000	7.731364	77314
Sub-Total			42.231389	100	1000000	56.433316	564333
Semiconductor Device							
Ceramics / Glass	Doped Silicon	7440-21-3	2.650633	100	1000000	3.54201	35420
Sub-Total			2.650633	100	1000000	3.54201	35420
Total			74.834144			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/szq088>

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.