

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: 06/07/2022

Details for "SN75158DG4"

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)*
SN75158DG4	NIPDAU	Level-1-260C-UNLIM	TI AGUASCALIENTES	D 8	3.91x4.9x1.58	108.3

*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	0.038528	99.997405	999974	0.035581	356
Precious Metals	Silver	7440-22-4	0.000001	0.002595	26	0.000001	0
Sub-Total			0.038529	100	1000000	0.035582	356
Die Attach Adhesive							
Precious Metals	Silver	7440-22-4	0.269675	78.999944	789999	0.249051	2491
Thermoplastics	Epoxy	85954-11-6	0.071686	21.000056	210001	0.066204	662
Sub-Total			0.341361	100	1000000	0.315254	3153
Lead Frame							
Copper and Its Alloys	Copper	7440-50-8	45.310704	97.05	970500	41.84541	418454
Copper and Its Alloys	Iron	7439-89-6	1.213888	2.6	26000	1.121052	11211
Copper and Its Alloys	Phosphorus	7723-14-0	0.070032	0.15	1500	0.064676	647
Zinc and Its Alloys	Zinc	7440-66-6	0.093376	0.2	2000	0.086235	862
Sub-Total			46.688	100	1000000	43.117372	431174
Lead Frame Plating							
Nickel and Its Alloys	Nickel	7440-02-0	0.154094	95.119753	951198	0.142309	1423
Precious Metals	Gold	7440-57-5	0.001264	0.780247	7802	0.001167	12
Precious Metals	Palladium	7440-05-3	0.006642	4.1	41000	0.006134	61
Sub-Total			0.162	100	1000000	0.14961	1496
Mold Compound							
Other Inorganic Materials	Fused Silica	60676-86-0	52.632739	88	880000	48.607467	486075
Other Plastics and Rubber	Carbon Black	1333-86-4	0.17943	0.3	3000	0.165707	1657
Other Plastics and Rubber	Organic Phosphorus	1330-78-5	0.328955	0.550001	5500	0.303797	3038
Thermoplastics	Epoxy	85954-11-6	6.668807	11.149999	111500	6.158787	61588
Sub-Total			59.809931	100	1000000	55.235758	552358
Semiconductor Device							
Ceramics / Glass	Doped Silicon	7440-21-3	1.24136	100	1000000	1.146423	11464
Sub-Total			1.24136	100	1000000	1.146423	11464
Total			108.281181			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 (EMSI 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.