

Supplier Name: Texas Instruments Inc. (DUNS# 00-732-1904)  
 Contact Info: [ti.com/support](http://ti.com/support)  
 Form/Declaration Type: Distribute - RoHS and IEC 62474 DB  
 Created on: 08/26/2022

Details for "CD74HCT126E"

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)*
CD74HCT126E	NIPDAU	Level-NC-NC-NC	TI AGUASCALIENTES	N   14	6.35x19.3x4.57	1620.3

\*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
<b>Bond Wire</b>							
Copper and Its Alloys	Copper	7440-50-8	0.076345	99.99869	999987	0.004712	47
Precious Metals	Silver	7440-22-4	0.000001	0.00131	13	0	0
Sub-Total			0.076346	100	1000000	0.004712	47
<b>Die Attach Adhesive</b>							
Precious Metals	Silver	7440-22-4	0.271928	78.999922	789999	0.016782	168
Thermoplastics	Epoxy	85954-11-6	0.072285	21.000078	210001	0.004461	45
Sub-Total			0.344213	100	1000000	0.021244	212
<b>Lead Frame</b>							
Copper and Its Alloys	Copper	7440-50-8	398.878688	97.585	975850	24.617438	246174
Copper and Its Alloys	Iron	7439-89-6	9.40125	2.3	23000	0.580213	5802
Copper and Its Alloys	Phosphorus	7723-14-0	0.061313	0.015	150	0.003784	38
Zinc and Its Alloys	Zinc	7440-66-6	0.40875	0.1	1000	0.025227	252
Sub-Total			408.750001	100	1000000	25.226662	252267
<b>Lead Frame Plating</b>							
Nickel and Its Alloys	Nickel	7440-02-0	0.304384	95.12	951200	0.018786	188
Precious Metals	Gold	7440-57-5	0.002496	0.78	7800	0.000154	2
Precious Metals	Palladium	7440-05-3	0.01312	4.1	41000	0.00081	8
Sub-Total			0.32	100	1000000	0.019749	197
<b>Mold Compound</b>							
Other Inorganic Materials	Fused Silica	60676-86-0	1064.419135	88	880000	65.692335	656923
Other Plastics and Rubber	Carbon Black	1333-86-4	3.628702	0.3	3000	0.223951	2240
Other Plastics and Rubber	Organic Phosphorus	1330-78-5	6.65262	0.55	5500	0.410577	4106
Thermoplastics	Epoxy	85954-11-6	134.866743	11.15	111500	8.323517	83235
Sub-Total			1209.5672	100	1000000	74.650381	746504
<b>Semiconductor Device</b>							
Ceramics / Glass	Doped Silicon	7440-21-3	1.25173	100	1000000	0.077253	773
Sub-Total			1.25173	100	1000000	0.077253	773
<b>Total</b>			1620.30949			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](http://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.