

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: 08/26/2022

Details for "TP57A7200RGT"

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)*
TP57A7200RGT	NIPDAU	Level-2-260C-1 YEAR	TI PHILIPPINES CLARK A/T	RGT 16	3x3x0.9	29.9

*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	0.124698	100	1000000	0.417712	4177
Sub-Total			0.124698	100	1000000	0.417712	4177
Die Attach Adhesive							
Precious Metals	Silver	7440-22-4	0.33385	80.000096	800001	1.118326	11183
Thermoplastics	Epoxy	85954-11-6	0.083462	19.999904	199999	0.27958	2796
Sub-Total			0.417312	100	1000000	1.397906	13979
Lead Frame							
Copper and Its Alloys	Copper	7440-50-8	15.89576	97.52	975200	53.247413	532474
Copper and Its Alloys	Iron	7439-89-6	0.3749	2.3	23000	1.255835	12558
Copper and Its Alloys	Phosphorus	7723-14-0	0.00489	0.03	300	0.01638	164
Zinc and Its Alloys	Zinc	7440-66-6	0.02445	0.15	1500	0.081902	819
Sub-Total			16.3	100	1000000	54.601531	546015
Lead Frame Plating							
Nickel and Its Alloys	Nickel	7440-02-0	0.466088	95.12	951200	1.561296	15613
Precious Metals	Gold	7440-57-5	0.003822	0.78	7800	0.012803	128
Precious Metals	Palladium	7440-05-3	0.02009	4.1	41000	0.067297	673
Sub-Total			0.49	100	1000000	1.641396	16414
Mold Compound							
Other Inorganic Materials	Fused Silica	60676-86-0	9.876346	88.000004	880000	33.083657	330837
Other Organic Materials	Chlorine	7782-50-5	0.000112	0.000998	10	0.000375	4
Other Plastics and Rubber	Carbon Black	1333-86-4	0.033669	0.299997	3000	0.112784	1128
Thermoplastics	Epoxy	85954-11-6	1.312993	11.699002	116990	4.398247	43982
Sub-Total			11.22312	100	1000000	37.595063	375951
Semiconductor Device							
Ceramics / Glass	Doped Silicon	7440-21-3	1.297513	100	1000000	4.346392	43464
Sub-Total			1.297513	100	1000000	4.346392	43464
Total			29.852643			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 (EMSLs 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 J57098 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.