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: 06/14/2022

Details for "TPS2546RTER"

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)*
TPS2546RTER	NIPDAU	Level-2-260C-1 YEAR	Ext-Mfg	RTE 16	3x3x0.75	18.8

*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

				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	0.248271	97.33522	973352	1.323814	1323
Precious Metals	Palladium	7440-05-3	0.006797	2.66478	26648	0.036243	36
Sub-Total			0.255068	100	1000000	1.360057	1360
Die Attach Adhesive							
Precious Metals	Silver	7440-22-4	0.411932	80.499964	805000	2.196477	2196
Thermoplastics	Ероху	85954-11-6	0.099785	19.500036	195000	0.532067	532
Sub-Total			0.511717	100	1000000	2.728544	2728
Lead Frame							
Copper and Its Alloys	Copper	7440-50-8	7.90074	97.54	975400	42.12781	42127
Copper and Its Alloys	Iron	7439-89-6	0.18468	2.28	22800	0.984739	984
Copper and Its Alloys	Phosphorus	7723-14-0	0.00243	0.03	300	0.012957	13
Zinc and Its Alloys	Zinc	7440-66-6	0.01215	0.15	1500	0.064785	64
Sub-Total			8.1	100	1000000	43.190291	43190
Lead Frame Plating							
Nickel and Its Alloys	Nickel	7440-02-0	0.138875	95.119863	951199	0.7405	740
Precious Metals	Gold	7440-57-5	0.001139	0.780137	7801	0.006073	6:
Precious Metals	Palladium	7440-05-3	0.005986	4.1	41000	0.031918	319
Sub-Total			0.146	100	1000000	0.778492	778
Mold Compound							
Other Inorganic Materials	Fused Silica	60676-86-0	7.737425	90.499999	905000	41.256992	412570
Other Plastics and Rubber	Carbon Black	1333-86-4	0.042748	0.499998	5000	0.227938	2279
Thermoplastics	Ероху	85954-11-6	0.769468	9.000004	90000	4.102907	4102
Sub-Total			8.549641	100	1000000	45.587837	45587
Semiconductor Device							
Ceramics / Glass	Doped Silicon	7440-21-3	1.191789	100	1000000	6.354779	6354
Sub-Total			1.191789	100	1000000	6.354779	6354
Total			18.754215			100	100000

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

The re 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

Til 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. Til 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 databases.

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
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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 J5709B low halogen requirements of <=1 000ppm threshold; Antimony trioxide (5b203) contained in halogen based flame retardant materials meets the <=1 000ppm threshold requirement; and Beryllium Oxide (BeO) is <=1000ppm.