

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: 05/29/2022

Details for "DRV8806PWR"

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)*
DRV8806PWR	NIPDAU	Level-3-260C-168 HR	TI TAIWAN A/T	PWP 16	5x4.4x1.0	94.2

*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	0.27375	99.999635	999996	0.29061	2906
Precious Metals	Silver	7440-22-4	0.000001	0.000365	4	0.000001	0
Sub-Total			0.273751	100	1000000	0.290611	2906
Die Attach Adhesive							
Precious Metals	Silver	7440-22-4	0.85374	85	850000	0.90632	9063
Thermoplastics	Epoxy	85954-11-6	0.15066	15	150000	0.159939	1599
Sub-Total			1.0044	100	1000000	1.066259	10663
Lead Frame							
Copper and Its Alloys	Copper	7440-50-8	53.662967	97.584999	975850	56.967939	569679
Copper and Its Alloys	Iron	7439-89-6	1.264793	2.3	23000	1.342689	13427
Copper and Its Alloys	Phosphorus	7723-14-0	0.008249	0.015001	150	0.008757	88
Zinc and Its Alloys	Zinc	7440-66-6	0.054991	0.1	1000	0.058378	584
Sub-Total			54.991	100	1000000	58.37762	583778
Lead Frame Plating							
Nickel and Its Alloys	Nickel	7440-02-0	0.639302	95.120071	951201	0.678675	6787
Precious Metals	Gold	7440-57-5	0.005242	0.779943	7799	0.005565	56
Precious Metals	Palladium	7440-05-3	0.027556	4.099985	41000	0.029253	293
Sub-Total			0.6721	100	1000000	0.713493	7135
Mold Compound							
Other Inorganic Materials	Fused Silica	60676-86-0	30.346362	88.000001	880000	32.215321	322153
Other Plastics and Rubber	Carbon Black	1333-86-4	0.137938	0.4	4000	0.146433	1464
Thermoplastics	Epoxy	85954-11-6	4.000202	11.599999	116000	4.246565	42466
Sub-Total			34.484502	100	1000000	36.608319	366083
Semiconductor Device							
Ceramics / Glass	Doped Silicon	7440-21-3	2.772788	100	1000000	2.943557	29436
Sub-Total			2.772788	100	1000000	2.943557	29436
Total			94.198541			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.