



Material Content Data Sheet



Halogen-Free

Sales Product Name IR3846AMTRPBF

Issued

08. February 2022

MA# MA005584338

Package PG-IQFN-34-900

Weight*

115.23 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	0.200	0.17	0.17	1732	1732
chip_2	inorganic material	silicon	7440-21-3	0.690	0.60	0.60	5989	5989
chip_3	inorganic material	silicon	7440-21-3	1.552	1.35	1.35	13467	13467
leadframe	inorganic material	phosphorus	7723-14-0	0.013	0.01		113	
	non noble metal	zinc	7440-66-6	0.052	0.05		452	
	non noble metal	iron	7439-89-6	1.043	0.90		9048	
	non noble metal	copper	7440-50-8	42.333	36.75	37.71	367377	376990
wire	noble metal	gold	7440-57-5	0.534	0.46	0.46	4631	4631
encapsulation	organic material	carbon black	1333-86-4	0.529	0.46		4592	
	non noble metal	metal hydroxide	-	1.058	0.92		9184	
	inorganic material	amorphous silica	7631-86-9	3.704	3.21		32144	
	plastics	epoxy resin	-	5.291	4.59		45920	
	inorganic material	silicon dioxide	60676-86-0	42.331	36.74	45.92	367361	459201
leadfinish	noble metal	palladium	7440-05-3	0.001			12	
	noble metal	gold	7440-57-5	0.002			19	
	non noble metal	nickel	7440-02-0	0.041	0.04	0.04	354	385
plating	noble metal	silver	7440-22-4	0.604	0.52	0.52	5240	5240
solder	noble metal	silver	7440-22-4	0.087	0.08		758	
	non noble metal	tin	7440-31-5	0.175	0.15		1515	
	non noble metal	lead	7439-92-1	3.231	2.80	3.03	28035	30308
heat sink clip	inorganic material	phosphorus	7723-14-0	0.004			31	
	non noble metal	zinc	7440-66-6	0.014	0.01		122	
	non noble metal	iron	7439-89-6	0.282	0.24		2449	
	non noble metal	copper	7440-50-8	11.460	9.95	10.20	99455	102057
*deviation	< 10%					Sum in total:	100.00	1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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