



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLF4277EL	Issued	27. April 2022
MA#	MA005715618		
Package	PG-SSOP-14-2	Weight*	83.81 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	4.604	5.49	5.49	54934	54934
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		103	
	non noble metal	zinc	7440-66-6	0.034	0.04		411	
	non noble metal	iron	7439-89-6	0.689	0.82		8221	
	non noble metal	copper	7440-50-8	27.978	33.38	34.25	333818	342553
wire	noble metal	gold	7440-57-5	0.107	0.13	0.13	1277	1277
encapsulation	organic material	carbon black	1333-86-4	0.094	0.11		1116	
	plastics	epoxy resin	-	4.301	5.13		51321	
	inorganic material	silicondioxide	60676-86-0	42.358	50.56	55.80	505396	557833
leadfinish	non noble metal	tin	7440-31-5	0.976	1.16	1.16	11647	11647
plating	noble metal	silver	7440-22-4	0.768	0.92	0.92	9159	9159
glue	plastics	epoxy resin	-	0.473	0.56		5649	
	noble metal	silver	7440-22-4	1.420	1.69	2.25	16948	22597
*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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com