

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLS820F1EL V50	**Issued**	18. August 2021
MA#	MA001375610		
Package	PG-SSOP-14-5	**Weight***	82.85 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	1.743	2.10	2.10	21039	21039
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		104	
	non noble metal	zinc	7440-66-6	0.034	0.04		416	
	non noble metal	iron	7439-89-6	0.689	0.83		8317	
	non noble metal	copper	7440-50-8	27.978	33.77	34.65	337692	346529
wire	non noble metal	copper	7440-50-8	0.086	0.10	0.10	1038	1038
encapsulation	organic material	carbon black	1333-86-4	0.100	0.12		1207	
	plastics	epoxy resin	-	4.600	5.55		55525	
	inorganic material	silicondioxide	60676-86-0	45.302	54.69	60.36	546800	603532
leadfinish	non noble metal	tin	7440-31-5	0.976	1.18	1.18	11782	11782
plating	noble metal	silver	7440-22-4	0.768	0.93	0.93	9265	9265
glue	plastics	epoxy resin	-	0.141	0.17		1704	
	noble metal	silver	7440-22-4	0.423	0.51	0.68	5111	6815
*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.

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