

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	ICL8820	**Issued**	26. June 2021
MA#	MA005566173		
Package	PG-DSO-8-82	**Weight***	79.34 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	0.547	0.69	0.69	6892	6892
leadframe	inorganic material	phosphorus	7723-14-0	0.008	0.01		101	
	non noble metal	zinc	7440-66-6	0.032	0.04		405	
	non noble metal	iron	7439-89-6	0.643	0.81		8102	
	non noble metal	copper	7440-50-8	26.099	32.90	33.76	328957	337565
wires	noble metal	palladium	7440-05-3	0.000			6	
	non noble metal	copper	7440-50-8	0.045	0.06	0.06	563	569
encapsulation	organic material	carbon black	1333-86-4	0.152	0.19		1915	
	plastics	epoxy resin	-	4.911	6.19		61905	
	inorganic material	silicondioxide	60676-86-0	45.571	57.43	63.81	574376	638196
leadfinish	non noble metal	tin	7440-31-5	0.814	1.03	1.03	10258	10258
plating	noble metal	silver	7440-22-4	0.209	0.26	0.26	2630	2630
glue	plastics	acrylic resin	-	0.068	0.09		856	
	noble metal	silver	7440-22-4	0.241	0.30	0.39	3034	3890
*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.

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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