

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SLB 9645XQ12FW13332	**Issued**	20. July 2018
MA#	MA001475476		
Package	PG-VQFN-32-13	**Weight***	69.07 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	4.050	5.86	5.86	58631	58631
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		132	
	non noble metal	zinc	7440-66-6	0.036	0.05		528	
	non noble metal	iron	7439-89-6	0.730	1.06		10563	
	non noble metal	copper	7440-50-8	29.625	42.90	44.02	428903	440126
wire	noble metal	gold	7440-57-5	0.299	0.43	0.43	4328	4328
encapsulation	organic material	carbon black	1333-86-4	0.161	0.23		2329	
	plastics	epoxy resin	-	4.987	7.22		72196	
	inorganic material	silicondioxide	60676-86-0	27.024	39.13	46.58	391254	465779
leadfinish	noble metal	palladium	7440-05-3	0.000	0.00		5	
	noble metal	silver	7440-22-4	0.000	0.00		4	
	noble metal	gold	7440-57-5	0.001	0.00		8	
	non noble metal	nickel	7440-02-0	0.543	0.79	0.79	7864	7881
plating	noble metal	silver	7440-22-4	0.000	0.00		2	
	noble metal	gold	7440-57-5	0.000	0.00		4	
	noble metal	palladium	7440-05-3	0.000	0.00		2	
	non noble metal	nickel	7440-02-0	0.258	0.37	0.37	3739	3747
glue	plastics	epoxy resin	-	0.216	0.31		3121	
	noble metal	silver	7440-22-4	1.132	1.64	1.95	16387	19508
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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 does not use any exemption

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