

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SLB 9645VQ12FW13332 BRLO	**Issued**	19. July 2018
MA#	MA001261014		
Package	PG-VQFN-32-13	**Weight***	69.20 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	5.85	5.85	58523	58523
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		132	
	non noble metal	zinc	7440-66-6	0.036	0.05		527	
	non noble metal	iron	7439-89-6	0.730	1.05		10543	
	non noble metal	copper	7440-50-8	29.625	42.83	43.94	428110	439312
wire	noble metal	gold	7440-57-5	0.299	0.43	0.43	4320	4320
encapsulation	organic material	carbon black	1333-86-4	0.161	0.23		2324	
	plastics	epoxy resin	-	4.985	7.20		72045	
	inorganic material	silicondioxide	60676-86-0	27.018	39.04	46.47	390439	464808
leadfinish	noble metal	palladium	7440-05-3	0.017	0.02		242	
	noble metal	silver	7440-22-4	0.015	0.02		212	
	noble metal	gold	7440-57-5	0.027	0.04		389	
	non noble metal	nickel	7440-02-0	0.578	0.84	0.92	8350	9193
plating	noble metal	silver	7440-22-4	0.007	0.01		101	
	noble metal	gold	7440-57-5	0.013	0.02		185	
	noble metal	palladium	7440-05-3	0.008	0.01		115	
	non noble metal	nickel	7440-02-0	0.275	0.40	0.44	3970	4371
glue	plastics	epoxy resin	-	0.216	0.31		3116	
	noble metal	silver	7440-22-4	1.132	1.64	1.95	16357	19473
*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

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