



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SLS37CSAUS VQFN32	<b>Issued</b>	09. February 2022
<b>MA#</b>	MA005593546		
<b>Package</b>	PG-VQFN-32-13	<b>Weight*</b>	68.81 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	3.529	5.13	5.13	51282	51282
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		133	
	non noble metal	zinc	7440-66-6	0.036	0.05		530	
	non noble metal	iron	7439-89-6	0.730	1.06		10604	
	non noble metal	copper	7440-50-8	29.625	43.06	44.18	430552	441819
wire	noble metal	gold	7440-57-5	0.184	0.27	0.27	2669	2669
encapsulation	organic material	carbon black	1333-86-4	0.163	0.24		2375	
	plastics	epoxy resin	-	5.065	7.36		73612	
	inorganic material	silicondioxide	60676-86-0	27.449	39.89	47.49	398931	474918
leadfinish	noble metal	silver	7440-22-4	0.000			4	
	noble metal	palladium	7440-05-3	0.000			5	
	noble metal	gold	7440-57-5	0.001			8	
	non noble metal	nickel	7440-02-0	0.543	0.79	0.79	7894	7911
plating	noble metal	silver	7440-22-4	0.000			2	
	noble metal	palladium	7440-05-3	0.000			2	
	noble metal	gold	7440-57-5	0.000			4	
	non noble metal	nickel	7440-02-0	0.258	0.38	0.38	3753	3761
glue	plastics	epoxy resin	-	0.194	0.28		2822	
	noble metal	silver	7440-22-4	1.020	1.48	1.76	14818	17640
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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