



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TDA21320	<b>Issued</b>	04. April 2021
<b>MA#</b>	MA001622354		
<b>Package</b>	LG-WIQFN-38-2	<b>Weight*</b>	93.67 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	0.301	0.32	0.32	3218	3218
chip_2	non noble metal	tin	7440-31-5	0.020	0.02		211	
	noble metal	gold	7440-57-5	0.077	0.08		819	
	inorganic material	silicon	7440-21-3	0.441	0.47	0.57	4712	5742
chip_3	non noble metal	tin	7440-31-5	0.052	0.06		559	
	noble metal	gold	7440-57-5	0.203	0.22		2168	
	inorganic material	silicon	7440-21-3	1.168	1.25	1.53	12474	15201
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.02		185	
	non noble metal	iron	7439-89-6	0.058	0.06		616	
	non noble metal	copper	7440-50-8	57.648	61.54	61.62	615451	616252
solder	non noble metal	copper	7440-50-8	0.045	0.05		479	
	noble metal	silver	7440-22-4	0.269	0.29		2875	
	non noble metal	tin	7440-31-5	8.663	9.25	9.59	92482	95836
glue	inorganic material	silicondioxide	60676-86-0	0.031	0.03		336	
	plastics	maleimide resin	-	0.031	0.03	0.06	336	672
solder resists	organic material	carbon black	1333-86-4	0.011	0.01		117	
	inorganic material	bariumsulfate	7727-43-7	0.110	0.12		1173	
	inorganic material	silicondioxide	60676-86-0	0.373	0.40		3987	
	plastics	acryl epoxy resin	-	0.604	0.64	1.17	6449	11726
substrate metal	non noble metal	copper	7440-50-8	13.326	14.23	14.23	142266	142266
substrate plastic	inorganic material	aluminiumhydroxide	21645-51-2	1.635	1.75		17454	
	inorganic material	silicondioxide	60676-86-0	2.146	2.29		22908	
	plastics	epoxy resin	-	2.861	3.05		30544	
	inorganic material	glass fibre	-	3.576	3.82	10.91	38181	109087
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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