



Material Content Data Sheet



Sales Product Name		TDA21321		Issued		20. July 2018		
MA#		MA001198526						
Package		LG-WIQFN-38-2		Weight*		93.67 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	non noble metal	tin	7440-31-5	0.072	0.08		770	
	noble metal	gold	7440-57-5	0.280	0.30		2987	
	inorganic material	silicon	7440-21-3	1.911	2.04	2.42	20405	24162
leadframe	non noble metal	iron	7439-89-6	0.058	0.06		616	
	inorganic material	phosphorus	7723-14-0	0.017	0.02		185	
	non noble metal	copper	7440-50-8	57.648	61.55	61.63	615451	616252
glue	inorganic material	silicondioxide	60676-86-0	0.031	0.03		336	
	plastics	maleimide resin	-	0.031	0.03	0.06	336	672
redistribution - layer	noble metal	silver	7440-22-4	0.269	0.29		2875	
	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		38180	
	non noble metal	tin	7440-31-5	8.663	9.25		92482	
	non noble metal	copper	7440-50-8	13.371	14.27	34.72	142745	347188
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
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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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