



Material Content Data Sheet



Sales Product Name				TDA21321		Issued		25. September 2017	
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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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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