



Material Content Data Sheet



Sales Product Name	TDA21320			Issued	19. July 2018			
MA#	MA001280316							
Package	LG-WIQFN-38-1			Weight*	95.19 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		758	
	noble metal	gold	7440-57-5	0.280	0.29		2939	
	inorganic material	silicon	7440-21-3	1.911	2.01	2.38	20078	23775
leadframe	non noble metal	iron	7439-89-6	0.058	0.06		606	
	inorganic material	phosphorus	7723-14-0	0.017	0.02		182	
	non noble metal	copper	7440-50-8	57.648	60.56	60.64	605592	606380
leadfinish	inorganic material	phosphorus	7723-14-0	0.019	0.02		198	
	noble metal	gold	7440-57-5	0.050	0.05		526	
	non noble metal	nickel	7440-02-0	1.050	1.10	1.17	11029	11753
glue	inorganic material	silicondioxide	60676-86-0	0.031	0.03		330	
	plastics	maleimide resin	-	0.031	0.03	0.06	330	660
solder	noble metal	silver	7440-22-4	0.314	0.33		3301	
	non noble metal	tin	7440-31-5	8.663	9.10	9.43	91001	94302
redistribution - layer	inorganic material	aluminiumhydroxide	21645-51-2	1.635	1.72		17174	
	inorganic material	silicondioxide	60676-86-0	2.146	2.25		22541	
	plastics	epoxy resin	-	2.861	3.01		30055	
	inorganic material	glass fibre	-	3.576	3.76		37569	
	non noble metal	copper	7440-50-8	13.326	14.00	24.74	139987	247326
solder resists	inorganic material	silicondioxide	60676-86-0	0.165	0.17		1738	
	plastics	epoxy resin	-	0.196	0.21		2055	
	inorganic material	bariumsulfate	7727-43-7	0.331	0.35		3477	
	plastics	acrylic resin	-	0.812	0.85	1.58	8534	15804
*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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