



Material Content Data Sheet



Sales Product Name		TDA21320		Issued		4. September 2015		
MA#		MA001389094						
Package		LG-WIQFN-38-1		Weight*		95.21 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	20074	23771
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	60.55	60.63	605464	606252
leadfinish	inorganic material	phosphorus	7723-14-0	0.019	0.02		198	
	noble metal	gold	7440-57-5	0.070	0.07		736	
	non noble metal	nickel	7440-02-0	1.050	1.10	1.19	11026	11960
glue	inorganic material	silicondioxide	60676-86-0	0.031	0.03		330	
	plastics	maleimide resin	-	0.031	0.03	0.06	330	660
solder	non noble metal	copper	7440-50-8	0.045	0.05		471	
	noble metal	silver	7440-22-4	0.269	0.28		2828	
	non noble metal	tin	7440-31-5	8.663	9.10	9.43	90982	94281
redistribution - layer	inorganic material	aluminiumhydroxide	21645-51-2	1.635	1.72		17171	
	inorganic material	silicondioxide	60676-86-0	2.146	2.25		22537	
	plastics	epoxy resin	-	2.861	3.00		30049	
	inorganic material	glass fibre	-	3.576	3.76		37561	
	non noble metal	copper	7440-50-8	13.326	14.00	24.73	139957	247275
solder resists	inorganic material	silicondioxide	60676-86-0	0.165	0.17		1738	
	plastics	epoxy resin	-	0.196	0.21		2054	
	inorganic material	bariumsulfate	7727-43-7	0.331	0.35		3476	
	plastics	acrylic resin	-	0.812	0.85	1.58	8533	15801
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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 2011/65/EU (RoHS) and does not use any exemption.

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