



Material Content Data Sheet



Sales Product Name		TDA21321		Issued		16. June 2016		
MA#		MA001280348						
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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