



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TDA21242	<b>Issued</b>	07. February 2022
<b>MA#</b>	MA001650106		
<b>Package</b>	PG-IQFN-30-2	<b>Weight*</b>	56.05 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	0.569	1.02	1.02	10155	10155
chip_2	inorganic material	silicon	7440-21-3	0.192	0.34	0.34	3429	3429
chip_3	inorganic material	silicon	7440-21-3	0.543	0.97	0.97	9688	9688
leadframe	inorganic material	phosphorus	7723-14-0	0.005	0.01		82	
	non noble metal	zinc	7440-66-6	0.018	0.03		329	
	non noble metal	iron	7439-89-6	0.368	0.66		6571	
	non noble metal	copper	7440-50-8	14.956	26.68	27.38	266827	273809
wire	non noble metal	copper	7440-50-8	0.085	0.15	0.15	1509	1509
encapsulation	organic material	carbon black	1333-86-4	0.047	0.08		830	
	plastics	epoxy resin	-	2.395	4.27		42723	
	inorganic material	silicondioxide	60676-86-0	20.809	37.11	41.46	371239	414792
leadfinish	non noble metal	tin	7440-31-5	0.593	1.06	1.06	10575	10575
plating	noble metal	silver	7440-22-4	0.040	0.07	0.07	717	717
solder	noble metal	silver	7440-22-4	0.029	0.05		514	
	non noble metal	tin	7440-31-5	0.048	0.09		852	
	non noble metal	lead	7439-92-1	1.077	1.92	2.06	19211	20577
glue	inorganic material	copperoxide	1317-38-0	0.009	0.02		158	
	miscellaneous	miscellaneous	-	0.011	0.02		189	
	plastics	epoxy resin	-	0.062	0.11		1104	
	noble metal	silver	7440-22-4	0.272	0.49	0.64	4856	6307
heat sink clip	inorganic material	phosphorus	7723-14-0	0.003	0.01		61	
	non noble metal	zinc	7440-66-6	0.014	0.02		243	
	non noble metal	iron	7439-89-6	0.273	0.49		4863	
	non noble metal	copper	7440-50-8	11.069	19.75	20.27	197471	202638
heatspreader	inorganic material	phosphorus	7723-14-0	0.001			14	
	non noble metal	zinc	7440-66-6	0.003	0.01		55	
	non noble metal	iron	7439-89-6	0.062	0.11		1099	
	non noble metal	copper	7440-50-8	2.502	4.46	4.58	44636	45804
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

Company	Infineon Technologies AG
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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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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