



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BGT 24AR2 E6433	<b>Issued</b>	04. May 2021
<b>MA#</b>	MA001093916		
<b>Package</b>	PG-VQFN-32-9	<b>Weight*</b>	55.39 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	1.627	2.94	2.94	29365	29365
leadframe	inorganic material	phosphorus	7723-14-0	0.008	0.01		146	
	non noble metal	zinc	7440-66-6	0.032	0.06		584	
	non noble metal	iron	7439-89-6	0.647	1.17		11687	
	non noble metal	copper	7440-50-8	26.284	47.46	48.70	474524	486941
wire	noble metal	gold	7440-57-5	0.312	0.56	0.56	5634	5634
encapsulation	organic material	carbon black	1333-86-4	0.072	0.13		1297	
	plastics	epoxy resin	-	3.042	5.49		54920	
	inorganic material	silicondioxide	60676-86-0	20.839	37.62	43.24	376226	432443
leadfinish	non noble metal	tin	7440-31-5	1.435	2.59	2.59	25910	25910
plating	noble metal	silver	7440-22-4	0.555	1.00	1.00	10020	10020
glue	plastics	epoxy resin	-	0.123	0.22		2228	
	noble metal	silver	7440-22-4	0.413	0.75	0.97	7459	9687
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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