



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	1EDF5673K	<b>Issued</b>	18. August 2021
<b>MA#</b>	MA005538885		
<b>Package</b>	PG-TFLGA-13-1	<b>Weight*</b>	51.03 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	0.564	1.11	1.11	11062	11062
chip_2	inorganic material	silicon	7440-21-3	0.564	1.11	1.11	11062	11062
chip_3	inorganic material	silicon	7440-21-3	1.097	2.15	2.15	21492	21492
wire	noble metal	gold	7440-57-5	0.371	0.73	0.73	7267	7267
encapsulation	organic material	carbon black	1333-86-4	0.307	0.60		6023	
	plastics	epoxy resin	-	2.920	5.72		57222	
	inorganic material	silicondioxide	60676-86-0	27.508	53.89	60.21	539086	602331
leadfinish	noble metal	gold	7440-57-5	0.126	0.25		2462	
	non noble metal	nickel	7440-02-0	0.143	0.28	0.53	2807	5269
plating	noble metal	gold	7440-57-5	0.638	1.25		12501	
	non noble metal	nickel	7440-02-0	0.727	1.43	2.68	14257	26758
glue	plastics	epoxy resin	-	0.392	0.77		7685	
	noble metal	silver	7440-22-4	1.176	2.31	3.08	23056	30741
solder resists	plastics	epoxy resin	-	0.339	0.66		6649	
	inorganic material	bariumsulfate	7727-43-7	0.521	1.02		10203	
	plastics	acrylic resin	-	0.603	1.18	2.86	11808	28660
substrate metal	non noble metal	copper	7440-50-8	5.343	10.47	10.47	104704	104704
substrate plastic	plastics	bismaleimide triazine resin	-	1.922	3.77		37663	
	inorganic material	aluminiumhydroxide	21645-51-2	2.114	4.14		41430	
	inorganic material	glass fibre	-	3.652	7.16	15.07	71561	150654
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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