



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TLE7181EM	<b>Issued</b>	11. August 2021
<b>MA#</b>	MA005429874		
<b>Package</b>	PG-SSOP-24-4	<b>Weight*</b>	150.88 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	4.244	2.81	2.81	28131	28131
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		111	
	non noble metal	zinc	7440-66-6	0.067	0.04		446	
	non noble metal	iron	7439-89-6	1.345	0.89		8915	
	non noble metal	copper	7440-50-8	54.617	36.20	37.14	362002	371474
wire	noble metal	gold	7440-57-5	0.537	0.36	0.36	3556	3556
encapsulation	organic material	carbon black	1333-86-4	0.171	0.11		1136	
	plastics	epoxy resin	-	7.886	5.23		52271	
	inorganic material	silicondioxide	60676-86-0	77.663	51.47	56.81	514753	568160
leadfinish	non noble metal	tin	7440-31-5	2.911	1.93	1.93	19294	19294
plating	noble metal	silver	7440-22-4	0.234	0.16	0.16	1553	1553
glue	plastics	epoxy resin	-	0.295	0.20		1958	
	noble metal	silver	7440-22-4	0.886	0.59	0.79	5874	7832
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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