



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TLE8082ES	<b>Issued</b>	26. June 2021
<b>MA#</b>	MA005570835		
<b>Package</b>	PG-TSDSO-24-51	<b>Weight*</b>	112.65 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	5.193	4.61	4.61	46102	46102
leadframe	inorganic material	phosphorus	7723-14-0	0.014	0.01		128	
	non noble metal	zinc	7440-66-6	0.057	0.05		510	
	non noble metal	iron	7439-89-6	1.150	1.02		10208	
	non noble metal	copper	7440-50-8	46.694	41.46	42.54	414507	425353
wire	non noble metal	copper	7440-50-8	0.928	0.82	0.82	8240	8240
encapsulation	organic material	carbon black	1333-86-4	0.148	0.13		1310	
	plastics	epoxy resin	-	5.754	5.11		51079	
	inorganic material	silicondioxide	60676-86-0	43.278	38.42	43.66	384183	436572
leadfinish	non noble metal	tin	7440-31-5	2.672	2.37	2.37	23719	23719
plating	noble metal	silver	7440-22-4	1.381	1.23	1.23	12256	12256
glue	plastics	epoxy resin	-	0.260	0.23		2311	
	noble metal	silver	7440-22-4	1.227	1.09	1.32	10894	13205
heatspreader	inorganic material	phosphorus	7723-14-0	0.001			10	
	non noble metal	zinc	7440-66-6	0.005			41	
	non noble metal	iron	7439-89-6	0.093	0.08		829	
	non noble metal	copper	7440-50-8	3.793	3.37	3.45	33673	34553
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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