



## Material Content Data Sheet



<b>Sales Product Name</b>	TLE5012BD E1200			<b>Issued</b>	4. July 2019			
<b>MA#</b>	MA002020064							
<b>Package</b>	PG-TDSO-16-2			<b>Weight*</b>	68.21 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	1.395	2.05	2.05	20456	20456
chip_2	inorganic material	silicon	7440-21-3	1.395	2.05	2.05	20456	20456
leadframe	inorganic material	silicon	7440-21-3	0.007	0.01		95	
	non noble metal	titanium	7440-32-6	0.033	0.05		477	
	non noble metal	chromium	7440-47-3	0.098	0.14		1430	
	non noble metal	copper	7440-50-8	32.380	47.47	47.67	474746	476748
wire	noble metal	gold	7440-57-5	0.274	0.40	0.40	4012	4012
encapsulation	organic material	carbon black	1333-86-4	0.060	0.09		886	
	plastics	epoxy resin	-	3.262	4.78		47826	
	inorganic material	silicondioxide	60676-86-0	26.882	39.41	44.28	394126	442838
leadfinish	non noble metal	tin	7440-31-5	1.198	1.76	1.76	17559	17559
plating	noble metal	silver	7440-22-4	0.840	1.23	1.23	12319	12319
glue	plastics	epoxy resin	-	0.096	0.14		1403	
	plastics	acrylic resin	-	0.096	0.14		1403	
	inorganic material	silicondioxide	60676-86-0	0.191	0.28	0.56	2806	5612
*deviation	< 10%			Sum in total:		100.00		1000000

### Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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