



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE9104SH		<b>Issued</b>		21. October 2018		
<b>MA#</b>		MA001949482						
<b>Package</b>		PG-DSO-20-88		<b>Weight*</b>		394.67 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	5.311	1.35	1.35	13458	13458
leadframe	inorganic material	phosphorus	7723-14-0	0.066	0.02		168	
	non noble metal	iron	7439-89-6	0.221	0.06		561	
	non noble metal	copper	7440-50-8	220.949	55.97	56.05	559836	560565
	non noble metal	copper	7440-50-8	1.291	0.33	0.33	3271	3271
wire	non noble metal	copper	7440-50-8	1.291	0.33	0.33	3271	3271
encapsulation	organic material	carbon black	1333-86-4	0.477	0.12		1208	
	plastics	epoxy resin	-	18.601	4.71		47130	
	inorganic material	silicondioxide	60676-86-0	139.902	35.45	40.28	354481	402819
leadfinish	non noble metal	tin	7440-31-5	3.905	0.99	0.99	9895	9895
plating	noble metal	silver	7440-22-4	1.961	0.50	0.50	4969	4969
glue	plastics	epoxy resin	-	0.347	0.09		879	
	noble metal	silver	7440-22-4	1.635	0.41	0.50	4144	5023
*deviation	< 10%			Sum in total:		100.00		1000000

### Important Remarks:

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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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