



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE9222PX		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001346652						
<b>Package</b>		PG-TSSOP-14-1		<b>Weight*</b>		47.04 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	1.260	2.68	2.68	26794	26794
leadframe	inorganic material	phosphorus	7723-14-0	0.003	0.01		73	
	non noble metal	zinc	7440-66-6	0.014	0.03		292	
	non noble metal	iron	7439-89-6	0.275	0.58		5846	
wire	non noble metal	copper	7440-50-8	11.166	23.74	24.36	237378	243589
	noble metal	gold	7440-57-5	0.119	0.25	0.25	2537	2537
	encapsulation	organic material	carbon black	1333-86-4	0.160	0.34		3409
encapsulation	plastics	epoxy resin	-	4.972	10.57		105690	
	inorganic material	silicondioxide	60676-86-0	26.943	57.29	68.20	572768	681867
	leadfinish	noble metal	gold	7440-57-5	0.008	0.02		172
plating	noble metal	palladium	7440-05-3	0.008	0.02		172	
	noble metal	silver	7440-22-4	0.008	0.02		172	
	non noble metal	nickel	7440-02-0	0.380	0.81	0.87	8087	8603
	noble metal	palladium	7440-05-3	0.020	0.04		432	
	noble metal	silver	7440-22-4	0.020	0.04		432	
glue	noble metal	gold	7440-57-5	0.020	0.04		432	
	non noble metal	nickel	7440-02-0	0.956	2.03	2.15	20317	21613
	plastics	epoxy resin	-	0.176	0.37		3749	
*deviation	< 10%			0.529	1.12	1.49	11248	14997
Sum in total:						100.00		1000000

### Important Remarks:

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