



Material Content Data Sheet



Sales Product Name		TLE4998S8D		Issued		4. July 2019			
MA#		MA002020032							
Package		PG-TDSO-8-2		Weight*		68.13 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	1.926	2.83	2.83	28266	28266	
chip_2	inorganic material	silicon	7440-21-3	1.926	2.83	2.83	28266	28266	
leadframe	non noble metal	zinc	7440-66-6	0.064	0.09		945		
	non noble metal	tin	7440-31-5	0.080	0.12		1181		
	non noble metal	chromium	7440-47-3	0.097	0.14		1417		
wire	non noble metal	copper	7440-50-8	31.938	46.88	47.23	468795	472338	
	noble metal	gold	7440-57-5	0.118	0.17	0.17	1733	1733	
	encapsulation	organic material	carbon black	1333-86-4	0.060	0.09		882	
encapsulation	plastics	epoxy resin	-	3.244	4.76		47620		
	inorganic material	silicondioxide	60676-86-0	26.735	39.24	44.09	392420	440922	
leadfinish	non noble metal	tin	7440-31-5	0.497	0.73	0.73	7298	7298	
plating	noble metal	silver	7440-22-4	0.953	1.40	1.40	13982	13982	
glue	plastics	epoxy resin	-	0.123	0.18		1799		
	plastics	acrylic resin	-	0.123	0.18		1799		
	inorganic material	silicondioxide	60676-86-0	0.245	0.36	0.72	3597	7195	
*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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