



Material Content Data Sheet



Sales Product Name	TLE9877QXA40			Issued	30. July 2019			
MA#	MA001346776							
Package	PG-VQFN-48-31			Weight*	129.96 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	4.821	3.71	3.71	37093	37093
leadframe	inorganic material	phosphorus	7723-14-0	0.018	0.01		138	
	non noble metal	zinc	7440-66-6	0.072	0.06		551	
	non noble metal	iron	7439-89-6	1.433	1.10		11028	
wire	non noble metal	copper	7440-50-8	58.193	44.77	45.94	447766	459483
	non noble metal	copper	7440-50-8	0.619	0.48	0.48	4765	4765
	encapsulation	organic material	carbon black	1333-86-4	0.181	0.14		1394
encapsulation	plastics	epoxy resin	-	7.668	5.90		59004	
	inorganic material	silicondioxide	60676-86-0	52.531	40.42	46.46	404198	464596
	leadfinish	non noble metal	tin	7440-31-5	2.596	2.00	2.00	19978
plating	noble metal	silver	7440-22-4	0.614	0.47	0.47	4723	4723
glue	plastics	epoxy resin	-	0.280	0.22		2153	
	noble metal	silver	7440-22-4	0.937	0.72	0.94	7209	9362
*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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