



Material Content Data Sheet



Sales Product Name		TLF35584QKVS1		Issued		24. January 2018				
MA#		MA001685796								
Package		PG-LQFP-64-18		Weight*		369.15 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	11.757	3.18	3.18	31849	31849		
leadframe	inorganic material	phosphorus	7723-14-0	0.032	0.01		87			
		non noble metal	zinc	7440-66-6	0.128	0.03		348		
		non noble metal	iron	7439-89-6	2.569	0.70		6960		
wire	non noble metal	copper	7440-50-8	104.316	28.26	29.00	282586	289981		
		copper	7440-50-8	0.892	0.24	0.24	2418	2418		
		encapsulation	organic material	carbon black	1333-86-4	1.184	0.32		3207	
plastics	plastics	epoxy resin	-	31.965	8.66		86590			
		inorganic material	silicondioxide	60676-86-0	203.627	55.17	64.15	551611	641408	
		leadfinish	noble metal	palladium	7440-05-3	0.001	0.00		3	
noble metal	noble metal	silver	7440-22-4	0.001	0.00		3			
		gold	7440-57-5	0.002	0.00		5			
		non noble metal	nickel	7440-02-0	1.779	0.48	0.48	4818	4829	
plating	noble metal	silver	7440-22-4	0.003	0.00		8			
		palladium	7440-05-3	0.003	0.00		9			
		gold	7440-57-5	0.005	0.00		15			
non noble metal	non noble metal	nickel	7440-02-0	5.419	1.47	1.47	14680	14712		
		glue	plastics	epoxy resin	-	1.366	0.37		3701	
		noble metal	silver	7440-22-4	4.098	1.11	1.48	11102	14803	
*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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