



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLF35584QKVS1	Issued	08. February 2022
MA#	MA005406874		
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	
	non noble metal	copper	7440-50-8	104.316	28.26	29.00	282586	289981
wire	non noble metal	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	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			3	
	noble metal	silver	7440-22-4	0.001			3	
	noble metal	gold	7440-57-5	0.002			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			8	
	noble metal	palladium	7440-05-3	0.003			9	
	noble metal	gold	7440-57-5	0.005			15	
	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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