



Material Content Data Sheet



Halogen-Free

Sales Product Name	ITS4040D-EP-D	Issued	21. July 2021
MA#	MA005592923		
Package	PG-TSDSO-14-41	Weight*	65.27 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	3.857	5.91	5.91	59100	59100
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		143	
	non noble metal	zinc	7440-66-6	0.037	0.06		571	
	non noble metal	iron	7439-89-6	0.745	1.14		11413	
	non noble metal	copper	7440-50-8	30.247	46.35	47.56	463429	475556
wire	non noble metal	copper	7440-50-8	0.319	0.49	0.49	4893	4893
encapsulation	organic material	carbon black	1333-86-4	0.079	0.12		1218	
	plastics	epoxy resin	-	3.100	4.75		47497	
	inorganic material	silicondioxide	60676-86-0	23.316	35.72	40.59	357240	405955
leadfinish	non noble metal	tin	7440-31-5	1.642	2.52	2.52	25152	25152
plating	noble metal	silver	7440-22-4	0.823	1.26	1.26	12603	12603
glue	plastics	epoxy resin	-	0.191	0.29		2930	
	noble metal	silver	7440-22-4	0.901	1.38	1.67	13811	16741
*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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