



Material Content Data Sheet



Halogen-Free

Sales Product Name	ITS4090Q-EP-D	Issued	16. April 2021
MA#	MA005416951		
Package	PG-TSDSO-14-41	Weight*	65.30 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	59072	59072
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		143	
	non noble metal	zinc	7440-66-6	0.037	0.06		570	
	non noble metal	iron	7439-89-6	0.745	1.14		11408	
	non noble metal	copper	7440-50-8	30.247	46.32	47.53	463212	475333
wire	non noble metal	copper	7440-50-8	0.359	0.55	0.55	5494	5494
encapsulation	organic material	carbon black	1333-86-4	0.079	0.12		1217	
	plastics	epoxy resin	-	3.099	4.75		47459	
	inorganic material	silicondioxide	60676-86-0	23.308	35.70	40.57	356955	405631
leadfinish	non noble metal	tin	7440-31-5	1.642	2.51	2.51	25141	25141
plating	noble metal	silver	7440-22-4	0.823	1.26	1.26	12597	12597
glue	plastics	epoxy resin	-	0.191	0.29		2928	
	noble metal	silver	7440-22-4	0.901	1.38	1.67	13804	16732
*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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