



Material Content Data Sheet



Halogen-Free

Sales Product Name ICE5QR4770AZ

Issued

11. May 2021

MA# MA001632808

Package PG-DIP-7-6

Weight*

651.77 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	1.556	0.24	0.24	2387	2387
leadframe	inorganic material	phosphorus	7723-14-0	0.049	0.01		74	
	non noble metal	zinc	7440-66-6	0.194	0.03		298	
	non noble metal	iron	7439-89-6	3.884	0.60		5960	
	non noble metal	copper	7440-50-8	157.726	24.20	24.84	241994	248326
wire	noble metal	palladium	7440-05-3	0.001			2	
	non noble metal	copper	7440-50-8	0.110	0.02	0.02	169	171
encapsulation	organic material	carbon black	1333-86-4	1.437	0.22		2205	
	plastics	epoxy resin	-	46.472	7.13		71300	
	inorganic material	silicondioxide	60676-86-0	431.182	66.15	73.50	661550	735055
leadfinish	non noble metal	tin	7440-31-5	6.460	0.99	0.99	9911	9911
plating	noble metal	silver	7440-22-4	1.911	0.29	0.29	2932	2932
glue	plastics	epoxy resin	-	0.119	0.02		183	
	noble metal	silver	7440-22-4	0.674	0.10	0.12	1035	1218
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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