



Material Content Data Sheet



Halogen-Free

Sales Product Name ESD103-B1-02ELS E6327

Issued

24. February 2022

MA# MA005700270

Package PG-TSSLP-2-4

Weight*

0.21 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	non noble metal	tin	7440-31-5	0.000	0.16		1634	
	noble metal	gold	7440-57-5	0.001	0.63		6330	
	inorganic material	silicon	7440-21-3	0.011	5.13	5.92	51341	59305
chip_2	non noble metal	tin	7440-31-5	0.000	0.16		1634	
	noble metal	gold	7440-57-5	0.001	0.63		6330	
	inorganic material	silicon	7440-21-3	0.011	5.13	5.92	51341	59305
leadframe	non noble metal	nickel	7440-02-0	0.108	50.62	50.62	506096	506096
wire	noble metal	gold	7440-57-5	0.003	1.29	1.29	12932	12932
encapsulation	organic material	carbon black	1333-86-4	0.000	0.16		1601	
	inorganic material	zink oxide	1314-13-2	0.001	0.32		3198	
	miscellaneous	miscellaneous	-	0.001	0.48		4799	
	plastics	epoxy resin	-	0.008	3.52		35182	
	inorganic material	silicondioxide	60676-86-0	0.059	27.51	31.99	275067	319847
leadfinish	noble metal	gold	7440-57-5	0.004	1.73	1.73	17268	17268
plating	noble metal	palladium	7440-05-3	0.001	0.60		5989	
	noble metal	gold	7440-57-5	0.004	1.93	2.53	19258	25247
*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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