



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	ESD113-B1-02ELS E6327	<b>Issued</b>	06. May 2021
<b>MA#</b>	MA001302546		
<b>Package</b>	PG-TSSLP-2-4	<b>Weight*</b>	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		1636	
	noble metal	gold	7440-57-5	0.001	0.63		6336	
	inorganic material	silicon	7440-21-3	0.011	5.14	5.93	51389	59361
chip_2	non noble metal	tin	7440-31-5	0.000	0.16		1636	
	noble metal	gold	7440-57-5	0.001	0.63		6336	
	inorganic material	silicon	7440-21-3	0.011	5.14	5.93	51389	59361
leadframe	non noble metal	nickel	7440-02-0	0.108	50.67	50.67	506575	506575
wire	noble metal	gold	7440-57-5	0.003	1.19	1.19	11890	11890
encapsulation	organic material	carbon black	1333-86-4	0.000	0.16		1603	
	inorganic material	zink oxide	1314-13-2	0.001	0.32		3201	
	miscellaneous	miscellaneous	-	0.001	0.48		4804	
	plastics	epoxy resin	-	0.008	3.52		35230	
	inorganic material	silicondioxide	60676-86-0	0.059	27.54	32.02	275421	320259
leadfinish	noble metal	gold	7440-57-5	0.004	1.73	1.73	17284	17284
plating	noble metal	palladium	7440-05-3	0.001	0.60		5994	
	noble metal	gold	7440-57-5	0.004	1.93	2.53	19276	25270
*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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