



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	ESD112-B1-02EL E6327	<b>Issued</b>	04. May 2021
<b>MA#</b>	MA001190844		
<b>Package</b>	PG-TSLP-2-20	<b>Weight*</b>	0.61 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	0.06		570	
	noble metal	gold	7440-57-5	0.001	0.22		2206	
	inorganic material	silicon	7440-21-3	0.011	1.73	2.01	17316	20092
chip_2	non noble metal	tin	7440-31-5	0.000	0.06		570	
	noble metal	gold	7440-57-5	0.001	0.22		2206	
	inorganic material	silicon	7440-21-3	0.011	1.73	2.01	17316	20092
leadframe	non noble metal	nickel	7440-02-0	0.241	39.26	39.26	392595	392595
wire	noble metal	gold	7440-57-5	0.005	0.86	0.86	8635	8635
encapsulation	organic material	carbon black	1333-86-4	0.002	0.26		2596	
	inorganic material	zink oxide	1314-13-2	0.003	0.52		5193	
	miscellaneous	miscellaneous	-	0.005	0.78		7789	
	plastics	epoxy resin	-	0.035	5.71		57123	
	inorganic material	silicondioxide	60676-86-0	0.274	44.66	51.93	446598	519299
leadfinish	noble metal	gold	7440-57-5	0.010	1.70	1.70	17000	17000
plating	noble metal	palladium	7440-05-3	0.003	0.53		5287	
	noble metal	gold	7440-57-5	0.010	1.70	2.23	17000	22287
*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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