



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	ESD221-U1-02EL E6327	<b>Issued</b>	05. May 2021
<b>MA#</b>	MA001228152		
<b>Package</b>	PG-TSLP-2-19	<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	non noble metal	tin	7440-31-5	0.001	0.09		885	
	noble metal	gold	7440-57-5	0.002	0.34		3435	
	inorganic material	silicon	7440-21-3	0.026	4.19	4.62	41927	46247
leadframe	non noble metal	nickel	7440-02-0	0.241	39.44	39.44	394396	394396
wire	non noble metal	copper	7440-50-8	0.003	0.42	0.42	4233	4233
encapsulation	organic material	carbon black	1333-86-4	0.002	0.26		2579	
	inorganic material	zink oxide	1314-13-2	0.003	0.52		5156	
	miscellaneous	miscellaneous	-	0.005	0.77		7735	
	plastics	epoxy resin	-	0.035	5.67		56722	
	inorganic material	silicondioxide	60676-86-0	0.271	44.35	51.57	443464	515656
leadfinish	noble metal	gold	7440-57-5	0.010	1.71	1.71	17078	17078
plating	noble metal	palladium	7440-05-3	0.003	0.53		5312	
	noble metal	gold	7440-57-5	0.010	1.71	2.24	17078	22390
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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