



Material Content Data Sheet



Halogen-Free

Sales Product Name	ESD114-U1-02ELS E6327	Issued	18. August 2021
MA#	MA001612624		
Package	PG-TSSLP-2-3	Weight*	0.21 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	0.000	0.17		1669	
	noble metal	gold	7440-57-5	0.001	0.65		6464	
	inorganic material	silicon	7440-21-3	0.011	5.24	6.06	52428	60561
leadframe	non noble metal	nickel	7440-02-0	0.108	51.67	51.67	516813	516813
wire	non noble metal	copper	7440-50-8	0.001	0.68	0.68	6780	6780
encapsulation	organic material	carbon black	1333-86-4	0.000	0.19		1860	
	inorganic material	zink oxide	1314-13-2	0.001	0.37		3725	
	miscellaneous	miscellaneous	-	0.001	0.56		5585	
	plastics	epoxy resin	-	0.009	4.10		40967	
	inorganic material	silicondioxide	60676-86-0	0.067	32.03	37.25	320294	372431
leadfinish	noble metal	gold	7440-57-5	0.004	1.76	1.76	17634	17634
plating	noble metal	palladium	7440-05-3	0.001	0.61		6115	
	noble metal	gold	7440-57-5	0.004	1.97	2.58	19666	25781
*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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