



Material Content Data Sheet



Halogen-Free

Sales Product Name	ESD113-B1-02EL E6327	Issued	17. February 2022
MA#	MA005699387		
Package	PG-TSLP-2-20	Weight*	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		569	
	noble metal	gold	7440-57-5	0.001	0.22		2205	
	inorganic material	silicon	7440-21-3	0.011	1.79	2.07	17884	20658
chip_2	non noble metal	tin	7440-31-5	0.000	0.06		569	
	noble metal	gold	7440-57-5	0.001	0.22		2205	
	inorganic material	silicon	7440-21-3	0.011	1.79	2.07	17884	20658
leadframe	non noble metal	nickel	7440-02-0	0.241	39.24	39.24	392364	392364
wire	noble metal	gold	7440-57-5	0.006	0.91	0.91	9099	9099
encapsulation	organic material	carbon black	1333-86-4	0.002	0.26		2590	
	inorganic material	zink oxide	1314-13-2	0.003	0.52		5180	
	miscellaneous	miscellaneous	-	0.005	0.78		7770	
	plastics	epoxy resin	-	0.035	5.70		56975	
	inorganic material	silicondioxide	60676-86-0	0.273	44.52	51.78	445442	517957
leadfinish	noble metal	gold	7440-57-5	0.010	1.70	1.70	16990	16990
plating	noble metal	palladium	7440-05-3	0.003	0.53		5284	
	noble metal	gold	7440-57-5	0.010	1.70	2.23	16990	22274
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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