



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BTS282Z E3180A	<b>Issued</b>	03. February 2022
<b>MA#</b>	MA000931510		
<b>Package</b>	PG-TO263-7-1	<b>Weight*</b>	1538.60 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	13.370	0.87	0.87	8690	8690
chip_2	inorganic material	silicon	7440-21-3	0.454	0.03	0.03	295	295
leadframe	inorganic material	phosphorus	7723-14-0	0.243	0.02		158	
	non noble metal	iron	7439-89-6	0.810	0.05		526	
	non noble metal	copper	7440-50-8	808.613	52.56	52.63	525552	526236
wire	non noble metal	aluminium	7429-90-5	5.419	0.35	0.35	3522	3522
encapsulation	inorganic material	zinc oxide	1314-13-2	5.818	0.38		3781	
	miscellaneous	miscellaneous	-	23.270	1.51		15124	
	plastics	epoxy resin	-	87.263	5.67		56716	
	inorganic material	silicon dioxide	60676-86-0	465.404	30.25	37.81	302487	378108
lead finish	non noble metal	tin	7440-31-5	13.037	0.85	0.85	8473	8473
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.212	0.01	0.01	138	139
solder	non noble metal	tin	7440-31-5	0.164	0.01		106	
	noble metal	silver	7440-22-4	0.204	0.01		133	
	non noble metal	lead	7439-92-1	7.809	0.51	0.53	5075	5314
glue	plastics	Polyimide	26023-21-2	0.157	0.01	0.01	102	102
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			21	
	non noble metal	iron	7439-89-6	0.106	0.01		69	
	non noble metal	copper	7440-50-8	106.210	6.90	6.91	69031	69121
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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