



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BTS50080-1TMB	<b>Issued</b>	13. May 2021
<b>MA#</b>	MA002460024		
<b>Package</b>	PG-TO220-7-12	<b>Weight*</b>	2119.62 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	5.233	0.25	0.25	2469	2469
chip_2	inorganic material	silicon	7440-21-3	1.157	0.05	0.05	546	546
leadframe	inorganic material	phosphorus	7723-14-0	0.272	0.01		129	
	non noble metal	iron	7439-89-6	0.908	0.04		428	
	non noble metal	copper	7440-50-8	906.793	42.78	42.83	427808	428365
wire	non noble metal	aluminium	7429-90-5	3.161	0.15	0.15	1491	1491
encapsulation	inorganic material	zinc oxide	1314-13-2	5.912	0.28		2789	
	miscellaneous	miscellaneous	-	23.648	1.12		11156	
	plastics	epoxy resin	-	88.679	4.18		41837	
	inorganic material	silicon dioxide	60676-86-0	472.952	22.31	27.89	223130	278912
lead finish	non noble metal	tin	7440-31-5	23.005	1.09	1.09	10854	10854
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.216	0.01	0.01	102	103
solder	non noble metal	tin	7440-31-5	0.079			37	
	noble metal	silver	7440-22-4	0.099			47	
	non noble metal	lead	7439-92-1	3.783	0.18	0.18	1785	1869
glue	plastics	Polyimide	26023-21-2	0.143	0.01	0.01	67	67
heatspreader	inorganic material	phosphorus	7723-14-0	0.175	0.01		83	
	non noble metal	iron	7439-89-6	0.584	0.03		275	
	non noble metal	copper	7440-50-8	582.824	27.50	27.54	274966	275324
*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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