



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTS50080-1TMC	Issued	13. May 2021
MA#	MA002460030		
Package	PG-TO220-7-4	Weight*	1526.43 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	0.34	0.34	3428	3428
chip_2	inorganic material	silicon	7440-21-3	1.157	0.08	0.08	758	758
leadframe	inorganic material	phosphorus	7723-14-0	0.241	0.02		158	
	non noble metal	iron	7439-89-6	0.804	0.05		527	
	non noble metal	copper	7440-50-8	802.842	52.58	52.65	525958	526643
wire	non noble metal	aluminium	7429-90-5	3.161	0.21	0.21	2071	2071
encapsulation	inorganic material	zinc oxide	1314-13-2	5.902	0.39		3867	
	miscellaneous	miscellaneous	-	23.609	1.55		15467	
	plastics	epoxy resin	-	88.535	5.80		58002	
	inorganic material	silicon dioxide	60676-86-0	472.188	30.93	38.67	309341	386677
lead finish	non noble metal	tin	7440-31-5	12.090	0.79	0.79	7921	7921
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.216	0.01	0.01	141	142
solder	non noble metal	tin	7440-31-5	0.079	0.01		52	
	noble metal	silver	7440-22-4	0.099	0.01		65	
	non noble metal	lead	7439-92-1	3.783	0.25	0.27	2478	2595
glue	plastics	Polyimide	26023-21-2	0.143	0.01	0.01	93	93
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			21	
	non noble metal	iron	7439-89-6	0.106	0.01		70	
	non noble metal	copper	7440-50-8	106.210	6.96	6.97	69581	69672
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com