



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTS50080-1TMA	Issued	13. May 2021
MA#	MA002460022		
Package	PG-TO220-7-4	Weight*	1524.08 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	3434	3434
chip_2	inorganic material	silicon	7440-21-3	1.157	0.08	0.08	759	759
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	52.68	52.75	526770	527455
wire	non noble metal	aluminium	7429-90-5	3.161	0.21	0.21	2074	2074
encapsulation	inorganic material	zinc oxide	1314-13-2	5.902	0.39		3873	
	miscellaneous	miscellaneous	-	23.609	1.55		15491	
	plastics	epoxy resin	-	88.535	5.81		58091	
	inorganic material	silicon dioxide	60676-86-0	472.188	30.98	38.73	309818	387273
lead finish	non noble metal	tin	7440-31-5	12.090	0.79	0.79	7933	7933
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.216	0.01	0.01	142	143
solder	non noble metal	tin	7440-31-5	0.027			17	
	noble metal	silver	7440-22-4	0.033			22	
	non noble metal	lead	7439-92-1	1.268	0.08	0.08	832	871
glue	plastics	Polyimide	26023-21-2	0.426	0.03	0.03	279	279
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	6.97	6.98	69688	69779
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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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