



Material Content Data Sheet



Sales Product Name		TLE8880TN		Issued		19. January 2018		
MA#		MA001124012						
Package		PG-TO220-5-12		Weight*		2128.84 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	13.531	0.64	0.64	6356	6356
leadframe	non noble metal	iron	7439-89-6	0.923	0.04		433	
	inorganic material	phosphorus	7723-14-0	0.277	0.01		130	
	non noble metal	copper	7440-50-8	921.567	43.28	43.33	432896	433459
wire	non noble metal	aluminium	7429-90-5	2.950	0.14	0.14	1386	1386
encapsulation	organic material	carbon black	1333-86-4	8.443	0.40		3966	
	plastics	epoxy resin	-	92.870	4.36		43625	
	inorganic material	silicondioxide	60676-86-0	461.538	21.68	26.44	216803	264394
leadfinish	non noble metal	tin	7440-31-5	24.181	1.14	1.14	11359	11359
plating	inorganic material	phosphorus	7723-14-0	0.008	0.00		4	
	non noble metal	nickel	7440-02-0	3.285	0.15	0.15	1543	1547
solder	noble metal	silver	7440-22-4	0.226	0.01		106	
	non noble metal	tin	7440-31-5	0.181	0.01		85	
	non noble metal	lead	7439-92-1	8.627	0.41	0.43	4053	4244
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		277	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		83	
	non noble metal	copper	7440-50-8	589.466	27.69	27.73	276895	277255
*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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