



## Material Content Data Sheet



<b>Sales Product Name</b>				ICE3BR0665JF		<b>Issued</b>		25. September 2017	
<b>MA#</b>				MA000972524					
<b>Package</b>				PG-TO220-6-347		<b>Weight*</b>		1883.72 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	5.818	0.31	0.31	3088	3088	
leadframe	inorganic material	phosphorus	7723-14-0	0.141	0.01		75		
	non noble metal	iron	7439-89-6	0.469	0.02		249		
wire	non noble metal	copper	7440-50-8	467.922	24.84	24.87	248403	248727	
	non noble metal	copper	7440-50-8	0.723	0.04		384		
	noble metal	gold	7440-57-5	1.565	0.08	0.12	831	1215	
encapsulation	organic material	carbon black	1333-86-4	2.533	0.13		1345		
	plastics	epoxy resin	-	237.664	12.62		126168		
	inorganic material	silicondioxide	60676-86-0	1023.682	54.35	67.10	543437	670950	
leadfinish	non noble metal	tin	7440-31-5	9.724	0.52	0.52	5162	5162	
plating	noble metal	silver	7440-22-4	0.603	0.03	0.03	320	320	
glue	plastics	Polyimide	26023-21-2	0.152	0.01	0.01	81	81	
solder	non noble metal	antimony	7440-36-0	0.272	0.01		144		
	noble metal	silver	7440-22-4	0.680	0.04		361		
	non noble metal	tin	7440-31-5	1.767	0.09	0.14	938	1443	
heatspreader	inorganic material	phosphorus	7723-14-0	0.039	0.00		21		
	non noble metal	iron	7439-89-6	0.130	0.01		69		
	non noble metal	copper	7440-50-8	129.834	6.89	6.90	68924	69014	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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