



## Material Content Data Sheet



<b>Sales Product Name</b>				IM69D130V01		<b>Issued</b>		4. July 2019	
<b>MA#</b>				MA004542780					
<b>Package</b>				PG-LLGA-5-1		<b>Weight*</b>		34.06 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	0.299	0.88	0.88	8774	8774	
chip_2	inorganic material	silicon	7440-21-3	3.365	9.88	9.88	98785	98785	
wire	noble metal	gold	7440-57-5	0.033	0.10	0.10	983	983	
encapsulation	inorganic material	silicondioxide	60676-86-0	0.041	0.12		1191		
	plastics	silicone resin	-	0.365	1.07	1.19	10716	11907	
leadfinish	noble metal	gold	7440-57-5	0.124	0.37		3652		
	non noble metal	nickel	7440-02-0	0.142	0.42	0.79	4165	7817	
substrate	plastics	bismaleimide triazine resin	-	0.865	2.54		25397		
	inorganic material	aluminiumhydroxide	21645-51-2	0.952	2.79		27937		
	inorganic material	glass fibre	-	1.644	4.83		48255		
solder	non noble metal	copper	7440-50-8	5.010	14.71	24.87	147101	248690	
	non noble metal	copper	7440-50-8	0.017	0.05		511		
	noble metal	silver	7440-22-4	0.104	0.31		3066		
	non noble metal	tin	7440-31-5	3.359	9.86	10.22	98611	102188	
lid attach material	organic material	carbon black	1333-86-4	0.000	0.00		4		
	inorganic material	silicondioxide	60676-86-0	0.010	0.03		294		
	plastics	silicone	-	0.015	0.04	0.07	447	745	
lid	non noble metal	zinc	7440-66-6	5.868	17.23		172279		
	non noble metal	copper	7440-50-8	10.897	31.98	49.21	319947	492226	
solder resists	plastics	epoxy resin	-	0.220	0.65		6469		
	inorganic material	bariumsulfate	7727-43-7	0.338	0.99		9927		
	plastics	acrylic resin	-	0.391	1.15	2.79	11489	27885	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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