



Material Content Data Sheet



Sales Product Name		ISO1H816G		Issued		2. October 2014		
MA#		MA000872044						
Package		PG-DSO-36-21		Weight*		2104.56 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	19.020	0.90	0.90	9037	9037
leadframe	inorganic material	phosphorus	7723-14-0	0.388	0.02		185	
	non noble metal	zinc	7440-66-6	1.553	0.07		738	
	non noble metal	iron	7439-89-6	31.066	1.48		14761	
wire	non noble metal	copper	7440-50-8	1261.410	59.95	61.52	599370	615054
	noble metal	gold	7440-57-5	3.778	0.18	0.18	1795	1795
encapsulation	organic material	carbon black	1333-86-4	1.523	0.07		724	
	plastics	epoxy resin	-	70.044	3.33		33282	
	inorganic material	silicondioxide	60676-86-0	689.781	32.78	36.18	327755	361761
leadfinish	non noble metal	tin	7440-31-5	15.044	0.71	0.71	7148	7148
plating	noble metal	silver	7440-22-4	0.644	0.03	0.03	306	306
glue	plastics	Polyimide	26023-21-2	0.292	0.01	0.01	139	139
solder	noble metal	silver	7440-22-4	0.150	0.01		71	
	non noble metal	tin	7440-31-5	0.100	0.00		48	
	non noble metal	lead	7439-92-1	9.767	0.46	0.47	4641	4760
*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 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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