



Material Content Data Sheet



Sales Product Name		XMC4504-F100K512 AC		Issued		24. January 2018		
MA#		MA001620452						
Package		PG-LQFP-100-25		Weight*		670.27 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	36.527	5.45	5.45	54495	54495
leadframe	non noble metal	magnesium	7439-95-4	0.228	0.03		340	
	inorganic material	silicon	7440-21-3	0.988	0.15		1474	
wire	non noble metal	nickel	7440-02-0	4.559	0.68		6802	
	non noble metal	copper	7440-50-8	146.196	21.81	22.67	218114	226730
	noble metal	gold	7440-57-5	0.002	0.00		3	
encapsulation	noble metal	palladium	7440-05-3	0.038	0.01		56	
	non noble metal	copper	7440-50-8	1.676	0.25	0.26	2501	2560
	organic material	carbon black	1333-86-4	1.392	0.21		2076	
leadfinish	plastics	epoxy resin	-	54.278	8.10		80979	
	inorganic material	silicondioxide	60676-86-0	408.247	60.90	69.21	609075	692130
plating	non noble metal	tin	7440-31-5	7.046	1.05	1.05	10512	10512
glue	noble metal	silver	7440-22-4	1.213	0.18	0.18	1809	1809
	plastics	epoxy resin	-	1.735	0.26		2588	
*deviation	noble metal	silver	7440-22-4	6.150	0.92	1.18	9176	11764
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 does not use any exemption

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