



Material Content Data Sheet



Halogen-Free

Sales Product Name	SAF-XE162FM-72F80LR AB	Issued	15. April 2021
MA#	MA004396786		
Package	PG-LQFP-64-25	Weight*	386.77 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	19.300	4.99	4.99	49902	49902
leadframe	inorganic material	phosphorus	7723-14-0	0.039	0.01		100	
	non noble metal	zinc	7440-66-6	0.154	0.04		399	
	non noble metal	iron	7439-89-6	3.088	0.80		7983	
	non noble metal	copper	7440-50-8	125.369	32.41	33.26	324144	332626
wire	noble metal	palladium	7440-05-3	0.011			29	
	non noble metal	copper	7440-50-8	1.117	0.29	0.29	2889	2918
encapsulation	organic material	carbon black	1333-86-4	1.131	0.29		2925	
	plastics	epoxy resin	-	30.540	7.90		78962	
	inorganic material	silicondioxide	60676-86-0	194.550	50.31	58.50	503014	584901
leadfinish	noble metal	silver	7440-22-4	0.001			2	
	noble metal	palladium	7440-05-3	0.001			3	
	noble metal	gold	7440-57-5	0.002			5	
	non noble metal	nickel	7440-02-0	1.779	0.46	0.46	4599	4609
plating	noble metal	silver	7440-22-4	0.003			8	
	noble metal	palladium	7440-05-3	0.004			9	
	noble metal	gold	7440-57-5	0.006			15	
	non noble metal	nickel	7440-02-0	5.937	1.54	1.54	15351	15383
glue	plastics	epoxy resin	-	0.934	0.24		2415	
	noble metal	silver	7440-22-4	2.803	0.72	0.96	7246	9661
*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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