



## Material declaration form

General Information			
IPC	1752	Version	2
Form type*	Distribute		
Sectionals*	Material information	Subsectionals*	A-D
	Manufacturing information		*: Required Field

Supplier Information			
Company name*	STMicroelectronics	Response Date*	2024-01-02
Contact name*	Refer to Supplier Comment section		Refer to Supplier Comment section
Contact phone*	Refer to Supplier Comment section	Contact email*	Refer to Supplier Comment section
Authorized representative*	MDG CHAMPION	Representative title	MDGMaterial Declaration champion
Representative phone*	Refer to Supplier Comment section	Representative email*	Refer to Supplier Comment section
Supplier comment	Online Technical Support - STMicroelectronics : <a href="http://www.st.com/web/en/support/support.html">http://www.st.com/web/en/support/support.html</a>		

**Uncertainty statement**

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**Legal statement**

Supplier acceptance*	true	Legal declaration*	Standard
Supplier certifies that it gathered the provided information and such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part(s), and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part(s), the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusive source of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form.			



Product				
Mfr item number	Mfr item name	Version	Manufacturing site	date
STM32WBA65RIV6	62GB*4B0XXXZ	A	998Z	2024-01-02
	Amount	Unit of measure	Unit type	ST ECOPACK grade
	184	mg	Each	ECOPACK® 2

Manufacturing information				
J-STD-020 MSL rating	Classification temperature	Number of reflow cycles		
3	260	3		
Bulk solder termination	Terminal plating	Terminal base alloy	Comment	
Not Applicable	Tin (Sn), matte, annealed	Copper Alloy	0	
Package designator	Package size	Number of instances	Shape	
QFN	8x8	68	Flat	
Comment	Package : B029 VFQFPN 8X8X1.0 68L PITCH 0.4 DM00319327			

QueryList : RoHS Directive 2011/65/EU - 8 June 2011 – Annex II amended by Delegated Directive 2015/863 - 31 March 2015		Response
1 - Product(s) meets EU RoHS requirement without any exemptions		true
2 - Product(s) meets EU RoHS requirements except lead in solder and this usage may qualify under the lead in solder '7b' exemption (other selected exemptions may apply)		false
3 - Product(s) meets EU RoHS requirements by application of the selected exemption(s)		false
4 - Product(s) does not meet EU RoHS requirements and is not under exemptions		false
Exemption Id.	Description	
,		

QueryList : REACH-27th June 2024				Response
QUERY				Response
1 - Product(s) does not contain REACH Substances Of Very High Concern above the limits per the definition within REACH				true
CategoryLevel_Name	CategoryLevel_Threshold	amount in product (mg)	Application	ppm in product
,	#N/A			



Material Composition Declaration : note : Substance present with less 0.001mg will not be declared in this document						Mfr Item Name	62GB*4B0XXXZ		183.7154		6000000.0	1000000.0
Homogeneous material	Material group	Mass	Unit of measure	Level	Substance category	Substance	CAS	Exempt	Mass	Unit of measure	Concentration in homogeneous material (ppm)	Concentration in product (ppm)
Die or dies	M-011 Other inorganic materials	7.842	mg	supplier	die	Silicon (Si)	7440-21-3		7.412	mg	945164	40345
				supplier	metallization	Aluminium (Al)	7429-90-5		0.047	mg	6053	258
				supplier	metallization	Copper (Cu)	7440-50-8		0.141	mg	18037	770
				supplier	metallization	Nickel (Ni)	7440-02-0		0.001	mg	121	5
				supplier	metallization	Tantalum (Ta)	7440-25-7		0.025	mg	3147	134
				supplier	metallization	Titanium (Ti)	7440-32-6		0.006	mg	726	31
				supplier	metallization	Tungsten (W)	7440-33-7		0.001	mg	121	5
				supplier	Passivation	Silicon Nitride	12033-89-5		0.034	mg	4358	186
				supplier	Passivation	Silicon Oxide	7631-86-9		0.175	mg	22273	951
				supplier	Organic Compounds	Acrylic resin	Proprietary		0.040	mg	60000	220
Glue Epoxy (EN4900GC)	Other Organic Materials	0.674	mg	supplier	Organic Compounds	Polybutadiene derivative	Proprietary		0.013	mg	20000	73
				supplier	Organic Compounds	Butadiene copolymer	Proprietary		0.010	mg	15000	55
				supplier	Organic Compounds	Acrylate	Proprietary		0.026	mg	39000	143
				supplier	Organic Compounds	Epoxy resin	Proprietary		0.013	mg	20000	73
				supplier	Organic Compounds	Peroxide	Proprietary		0.005	mg	8000	29
				supplier	Organic Compounds	Additive	Proprietary		0.012	mg	18000	66
				supplier	Metals	Silver	7440-22-4		0.552	mg	820000	3007
				supplier	Organic Compounds	Epoxy resin	Proprietary		4.271	mg	50000	23248
Encapsulation (EME-G631BQ-CJ)	Other Organic Materials	85.421	mg	supplier	Organic Compounds	Phenol Resin	Proprietary		4.271	mg	50000	23248
				supplier	Organic Compounds	Silica, vitreous	60676-86-0		70.045	mg	820000	381270
				supplier	Glass	Silicon dioxide	7631-86-9		4.698	mg	55000	25573
				supplier	Glass	Aluminium hydroxide	21645-51-2		1.708	mg	20000	9299
				supplier	Organic Compounds	Carbon black	1333-86-4		0.299	mg	3500	1627
				supplier	Organic Compounds	Carbonate(2-)hexadecahydro	Proprietary		0.128	mg	1500	697
				supplier	Metals	Copper	7440-50-8		0.675	mg	965500	3673
Bonding Wire (Cu)	Bonding Wire	0.699	mg	supplier	Metals	Palladium	7440-05-3		0.022	mg	31000	118
				supplier	Metals	Gold	7440-57-5		0.002	mg	3500	13
				supplier	Metals	Tin	7440-31-5		1.528	mg	1000000	8316
Plating anode (Sn)	Other inorganic materials	1.528	mg	supplier	Metals	Tin	7440-31-5		1.528	mg	1000000	8316
Leadframe (C7025 + Ag)	Copper & its alloys	87.552	mg	supplier	Metals	Copper	7440-50-8		83.831	mg	957500	456309
				supplier	Metals	Magnesium	7439-95-4		0.131	mg	1500	715
				supplier	Metals	Nickel	7440-02-0		2.609	mg	29800	14202
				supplier	Metals	Silicon	7440-21-3		0.569	mg	6500	3098
				supplier	Metals	Silver	7440-22-4		0.411	mg	4700	2240