



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*	2024-05-20
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 : http://www.st.com/web/en/support/support.html		

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
STM32C071KBU6	60MG*493XXXZ	A	998Z	2024-05-20
Amount	Unit of measure	Unit type	ST ECOPACK grade	
50	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	5x5	32	Flat	
Comment	Package : A0B8 UFQFPN 5X5X0.55 32L 0.5 MM PITCH 8202208			

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-23rd January 2024				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
,	0			



Material Composition Declaration : note : Substance present with less 0.001mg will not be declared in this document						Mfr Item Name	60MG*493XXXZ		50.1056		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	1.467	mg	supplier	die	Silicon (Si)	7440-21-3		1.338	mg	911738	26694				
				supplier	metallization	Aluminium (Al)	7429-90-5		0.006	mg	4032	118				
				supplier	metallization	Copper (Cu)	7440-50-8		0.055	mg	37634	1102				
				supplier	metallization	Tantalum (Ta)	7440-25-7		0.018	mg	12097	354				
				supplier	metallization	Titanium (Ti)	7440-32-6		0.001	mg	448	13				
				supplier	metallization	Tungsten (W)	7440-33-7		0.001	mg	448	13				
				supplier	Passivation	Silicon Nitride	12033-89-5		0.014	mg	9409	275				
				supplier	Passivation	Silicon Oxide	7631-86-9		0.035	mg	24194	708				
				Glue Epoxy (EN4900GC)	Other Organic Materials	0.213	mg	supplier	Organic Compounds	Acrylic resin	Proprietary		0.015	mg	70000	298
								supplier	Organic Compounds	Polybutadiene derivative	Proprietary		0.004	mg	20000	85
supplier	Organic Compounds	Butadiene copolymer	Proprietary						0.003	mg	15000	64				
supplier	Organic Compounds	Acrylate	Proprietary						0.012	mg	54000	230				
supplier	Organic Compounds	Epoxy resin	Proprietary						0.006	mg	30000	128				
supplier	Organic Compounds	Peroxide	Proprietary						0.002	mg	8000	34				
supplier	Organic Compounds	Additive	Proprietary						0.004	mg	18000	77				
supplier	Metals	Silver	7440-22-4						0.168	mg	785000	3345				
Encapsulation (G700LAL-A)	Other Organic Materials	17.322	mg	supplier	Organic Compounds	Epoxy Resin	Proprietary		0.953	mg	55000	19014				
				supplier	Organic Compounds	Phenol Resin	Proprietary		0.364	mg	21000	7260				
				supplier	Glass	Silica(Amorphous)A	60676-86-0		13.857	mg	800000	276564				
				supplier	Glass	Silica(Amorphous)B	7631-86-9		2.061	mg	119000	41139				
				supplier	Organic Compounds	Carbon Black	1333-86-4		0.087	mg	5000	1729				
Bonding Wire (Cu)	Bonding Wire	0.184	mg	supplier	Metals	Copper	7440-50-8		0.178	mg	965500	3553				
				supplier	Metals	Palladium	7440-05-3		0.006	mg	31000	114				
				supplier	Metals	Gold	7440-57-5		0.001	mg	3500	13				
Plating anode (Sn)	Other inorganic materials	0.719	mg	supplier	Metals	Tin	7440-31-5		0.719	mg	1000000	14348				
Leadframe (C7025 + Ag)	Copper & its alloys	30.200	mg	supplier	Metals	Copper	7440-50-8		27.698	mg	917140	552785				
				supplier	Metals	Nickel	7440-02-0		0.680	mg	22500	13561				
				supplier	Metals	Silicon	7440-21-3		0.079	mg	2600	1567				
				supplier	Metals	Magnesium	7439-95-4		0.035	mg	1150	693				
				supplier	Metals	Silver	7440-22-4		1.710	mg	56610	34120				