



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*	2024-02-20
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
STM32G071K8T3	745V*460XXX	A	998Z	2024-02-20
	Amount	Unit of measure	Unit type	ST ECOPACK grade
	178	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	
QFP	7x7	32	Gull wing	
Comment	Package : 5V LQFP 32 7x7x1.4 1 0060661			

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	745V*460XXY		178.0571		600000.0	100000.0				
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	5.168	mg	supplier	die	Silicon (Si)	7440-21-3		4.971	mg	961881	27918				
				supplier	metallization	Aluminium (Al)	7429-90-5		0.009	mg	1741	51				
				supplier	metallization	Copper (Cu)	7440-50-8		0.084	mg	16254	472				
				supplier	metallization	Tantalum (Ta)	7440-25-7		0.027	mg	5224	152				
				supplier	metallization	Titanium (Ti)	7440-32-6		0.001	mg	193	6				
				supplier	metallization	Tungsten (W)	7440-33-7		0.001	mg	193	6				
				supplier	Passivation	Silicon Nitride	12033-89-5		0.021	mg	4063	118				
				supplier	Passivation	Silicon Oxide	7631-86-9		0.054	mg	10449	303				
				Glue Epoxy (3230)	M-011 Other inorganic materials	0.692	mg	supplier	Metals	Silver	7440-22-4		0.564	mg	815000	3168
								supplier	Plastics/polymers	2,2'-(Methylenebis(phenyleneoxymethylene))bis	39817-09-9		0.021	mg	30000	117
supplier	Organic Compounds	Dihydro-3-(tetrapropenyl)furan-2,5-dione	26544-38-7						0.021	mg	30000	117				
supplier	Organic Compounds	Epoxy resin	Proprietary						0.021	mg	30000	117				
supplier	Organic Compounds	Dodecylloxirane	3234-28-4						0.021	mg	30000	117				
supplier	SVHC	Hexahydromethylphthalic anhydride	25550-51-0						0.021	mg	30000	117				
supplier	Organic Compounds	Epoxy resin modifier	Proprietary						0.021	mg	30000	117				
supplier	Metallic compounds	Copper oxide	1317-38-0						0.003	mg	5000	19				
Encapsulation (EME-G631SHQ)	M-011 Other inorganic materials	119.871	mg					supplier	Plastics/polymers	Epoxy Resin A	Proprietary		2.517	mg	21000	14138
								supplier	Plastics/polymers	Epoxy Resin B	Proprietary		2.517	mg	21000	14138
				supplier	Plastics/polymers	Phenol Resin	Proprietary		6.713	mg	56000	37700				
				supplier	Glass	Silica(Amorphous)A	60676-86-0		93.553	mg	780450	525412				
				supplier	Glass	Silica(Amorphous)B	7631-86-9		13.824	mg	115320	77635				
				supplier	Non-metals	Carbon Black	1333-86-4		0.747	mg	6230	4194				
				supplier	Metals	Gold	7440-57-5		0.600	mg	1000000	3370				
				supplier	Metals	Tin	7440-31-5		0.719	mg	1000000	4038				
				Bonding wire (Au)	Bonding Wire	0.600	mg	supplier	Metals	Gold	7440-57-5		0.600	mg	1000000	3370
				Plating anode (Sn)	M-011 Other inorganic materials	0.719	mg	supplier	Metals	Tin	7440-31-5		0.719	mg	1000000	4038
Leadframe (C7025 + AG)	Copper & its alloys	51.007	mg	supplier	Metals	Copper	7440-50-8		48.839	mg	957500	274290				
				supplier	Metals	Nickel	7440-02-0		1.520	mg	29800	8537				
				supplier	Metals	Silicon	7440-21-3		0.332	mg	6500	1862				
				supplier	Non-Metals	Magnesium	7439-95-4		0.077	mg	1500	430				
				supplier	Metals	Silver	7440-22-4		0.240	mg	4700	1346				