



Material declaration form

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

Supplier Information			
Company name*	STMicroelectronics	Response Date*	2025-06-11
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*	MDRF CHAMPION	Representative title	MDRF Material 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
STM32G031K6T7	6B5V*466XXX4	A	998Z	2025-06-11
	Amount	Unit of measure	Unit type	ST ECOPACK grade
	177	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	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-21st January 2025				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	6B5V*466XXX4		177.133		600000	100000
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	3.577	mg	supplier	die	Silicon (Si)	7440-21-3		3.438	mg	961100	19408
				supplier	metallization	Aluminium (Al)	7429-90-5		0.007	mg	1945	39
				supplier	metallization	Copper (Cu)	7440-50-8		0.059	mg	16393	331
				supplier	metallization	Tantalum (Ta)	7440-25-7		0.019	mg	5279	107
				supplier	metallization	Titanium (Ti)	7440-32-6		0.001	mg	278	6
				supplier	metallization	Tungsten (W)	7440-33-7		0.001	mg	278	6
				supplier	Passivation	Silicon Nitride	12033-89-5		0.015	mg	4168	84
				supplier	Passivation	Silicon Oxide	7631-86-9		0.038	mg	10559	213
				Glue Epoxy (EN4900GC)	Other Organic Materials	0.208	mg	supplier	Organic Compounds	Acrylic resin	Proprietary	
supplier	Organic Compounds	Polybutadiene derivative	Proprietary						0.004	mg	20000	24
supplier	Organic Compounds	Butadiene copolymer	Proprietary						0.003	mg	15000	18
supplier	Organic Compounds	Acrylate	Proprietary						0.011	mg	54000	63
supplier	Organic Compounds	Epoxy resin	Proprietary						0.006	mg	30000	35
supplier	Organic Compounds	Peroxide	Proprietary						0.002	mg	8000	9
supplier	Organic Compounds	Additive	Proprietary						0.004	mg	18000	21
supplier	Metals	Silver	7440-22-4						0.163	mg	785000	923
Encapsulation (G700LA-L-A)	Other Organic Materials	121.351	mg	supplier	Organic Compounds	Epoxy Resin	Proprietary		6.674	mg	55000	37679
				supplier	Organic Compounds	Phenol Resin	Proprietary		2.548	mg	21000	14387
				supplier	Glass	Silica(Amorphous)A	60676-86-0		97.081	mg	800000	548065
				supplier	Glass	Silica(Amorphous)B	7631-86-9		14.441	mg	119000	81525
				supplier	Organic Compounds	Carbon Black	1333-86-4		0.607	mg	5000	3425
Bonding wires (Cu)	Bonding Wire	0.278	mg	supplier	Metals	Copper	7440-50-8		0.269	mg	965500	1518
				supplier	Metals	Palladium	7440-05-3		0.009	mg	31000	49
				supplier	Metals	Gold	7440-57-5		0.001	mg	3500	6
Plating (Sn)	Other inorganic materials	0.719	mg	supplier	Metals	Tin	7440-31-6		0.719	mg	1000000	4059
Leadframe (C7025 + Ag)	Copper & its alloys	51.000	mg	supplier	Metals	Copper	7440-50-8		45.569	mg	893500	257255
				supplier	Metals	Magnesium	7439-95-4		0.051	mg	1000	288
				supplier	Metals	Nickel	7440-02-0		1.392	mg	27300	7860
				supplier	Metals	Silicon	7440-21-3		0.332	mg	6500	1871
				supplier	Metals	Silver	7440-22-4		3.657	mg	71700	20644