



## 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*	2024-10-28
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
STM32C092CCT6	215B*44DXXXA	A	9991	2024-10-28
Amount	Unit of measure	Unit type	ST ECOPACK grade	
180	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	48	Gull wing	
Comment	Package : 5B LQFP 48 7x7x1.4 1 0110596			

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	215B*44DXXXA		179.7010		600000.0	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	4.595	mg	supplier	die	Silicon (Si)	7440-21-3		4.416	mg	961100	24575				
				supplier	metallization	Aluminium (Al)	7429-90-5		0.009	mg	1945	50				
				supplier	metallization	Copper (Cu)	7440-50-8		0.075	mg	16393	419				
				supplier	metallization	Tantalum (Ta)	7440-25-7		0.024	mg	5279	135				
				supplier	metallization	Titanium (Ti)	7440-32-6		0.001	mg	278	7				
				supplier	metallization	Tungsten (W)	7440-33-7		0.001	mg	278	7				
				supplier	Passivation	Silicon Nitride	12033-89-5		0.019	mg	4169	107				
				supplier	Passivation	Silicon Oxide	7631-86-9		0.049	mg	10558	270				
				Leadframe (C7025)	Copper & its alloys	60.000	mg	supplier	Leadframe	Copper ( Cu )	7440-50-8		57.450	mg	957500	319698
								supplier	Leadframe	Nickel ( Ni )	7440-02-0		1.788	mg	29800	9950
supplier	Leadframe	Silicon ( Si )	7440-21-3						0.390	mg	6500	2170				
supplier	Leadframe	Magnesium ( Mg )	7439-95-4						0.090	mg	1500	501				
supplier	Leadframe	Silver (Ag)	7440-22-4						0.282	mg	4700	1569				
Glue epoxy (EN-4900G)	Precious metals	0.790	mg	supplier	Glue or tape	Silver (Ag)	7440-22-4		0.597	mg	755000	3321				
				supplier	Glue or tape	Cresol Novolac Epoxy Resins	Proprietary		0.020	mg	25000	110				
				supplier	Glue or tape	Bisphenol A Diacrylate	Proprietary		0.067	mg	85000	374				
				supplier	Glue or tape	Dicyclopenteny group containing Acrylate	Proprietary		0.043	mg	55000	242				
				supplier	Glue or tape	Butadiene copolymer	Proprietary		0.008	mg	10000	44				
				supplier	Glue or tape	Polybutadiene epoxidized derivative	Proprietary		0.043	mg	55000	242				
				supplier	Glue or tape	Peroxy Ketals	Proprietary		0.004	mg	5000	22				
				supplier	Glue or tape	Substitutedalkoxyalkyl trimethoxysilane	Proprietary		0.004	mg	5000	22				
				supplier	Glue or tape	Methacrylate multialkoxy-substitutedalkyl ester	Proprietary		0.004	mg	5000	22				
				Bonding wire (Cu)	Precious metals	0.416	mg	supplier	Bonding wire	Copper ( Cu )	7440-50-8		0.401	mg	965500	2233
supplier	Bonding wire	Palladium (Pd)	7440-05-3						0.013	mg	31000	72				
supplier	Bonding wire	Silver (Ag)	7440-22-4						0.001	mg	3500	8				
Encapsulation (EME-G631SH)	M-011 Other inorganic materials	109.500	mg	supplier	Molding Compound	2,2'-((3,3',5,5'-Tetramethyl-(1,1'-biphenyl)-4,4'-diyl	85954-11-6		4.380	mg	40000	24374				
				supplier	Molding Compound	Epoxy resin	Proprietary		2.190	mg	20000	12187				
				supplier	Molding Compound	Phenol Resin	Proprietary		8.213	mg	75000	45701				
				supplier	Molding Compound	Silica(Amorphous) A	60676-86-0		77.690	mg	709500	432331				
				supplier	Molding Compound	Silica(Amorphous) B	7631-86-9		16.425	mg	150000	91402				
				supplier	Molding Compound	Carbon black	1333-86-4		0.602	mg	5500	3351				
External Plating (Sn)	M-011 Other inorganic materials	4.400	mg	supplier	Matte Sn	Tin (Sn)	7440-31-5		4.400	mg	999900	24483				
				supplier	Matte Sn	Impurities	Proprietary		0.000	mg	100	2				