



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*	2025-07-24
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	MDRFMaterial 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
STM32F205RGY6TR	H0N6*411CCCV	A	9989	2025-07-24
	Amount	Unit of measure	Unit type	ST ECOPACK grade
	15	mg	Each	ECOPACK® 2

Manufacturing information				
J-STD-020 MSL rating	Classification temperature	Number of reflow cycles		
1	260	3		
Bulk solder termination	Terminal plating	Terminal base alloy	Comment	
Tin/Silver/Copper (SAC405)	Not Applicable	NAC	0	
Package designator	Package size	Number of instances	Shape	
WLCSP	NA	66	Bulk solder	
Comment	Package : A0FX WLCSP 66L DIE 411 P 0.4 MM 8295275			

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-25th June 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	H0N6*411CCCV		15.202		8000000	1000000
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	Other inorganic materials	12.485	mg	supplier	die	Silicon (Si)	7440-21-3		12.003	mg	961394	789582
				supplier	metallization	Aluminium (Al)	7429-90-5		0.024	mg	1922	1579
				supplier	metallization	Copper (Cu)	7440-50-8		0.235	mg	18823	15459
				supplier	metallization	Tantalum (Ta)	7440-25-7		0.029	mg	2323	1908
				supplier	metallization	Titanium (Ti)	7440-32-6		0.002	mg	160	132
				supplier	metallization	Tungsten (W)	7440-33-7		0.001	mg	80	66
				supplier	passivation	Silicon Oxide(SiO2)	7631-86-9		0.054	mg	4325	3552
				California 65	passivation	Indium Tin oxide (In2O3.SnO2)	50926-11-9		0.137	mg	10973	9012
Polymide coating (HD4100)	Other inorganic materials	0.013	mg	supplier	Chemicals	Polyamide Resin	63428-83-1		0.011	mg	830000	694
				supplier	Chemicals	Acrylate Ester	Proprietary		0.001	mg	100000	84
				supplier	Chemicals	Tetraethylene glycol dimethacrylate	109-17-1		0.001	mg	50000	42
				supplier	Chemicals	Oxybisdipthalic anhydride	1823-59-2		0.000	mg	20000	17
Copper Target	Other inorganic materials	0.105	mg	supplier	Alloys	Copper	7440-50-8		0.105	mg	1000000	6907
Titanium Target	Other inorganic materials	0.007	mg	supplier	Alloys	Titanium	7440-32-6		0.007	mg	1000000	460
RDL (Cu)	Other inorganic materials	0.121	mg	supplier	Alloys	Aluminum	7429-90-5		0.118	mg	975207	7762
				supplier	Alloys	Copper	7440-50-8		0.003	mg	24793	197
UBM (Cu)	Other inorganic materials	0.049	mg	supplier	Alloys	Nickel	7440-02-0		0.045	mg	918367	2960
				supplier	Alloys	Vanadium	7440-62-2		0.004	mg	81633	263
Coating	Other inorganic materials	0.525	mg	supplier	Alloys	Copper	7440-50-8		0.525	mg	1000000	34536
Solder Balls (SAC405)	Other inorganic materials	1.897	mg	supplier	Alloys	Tin	7440-31-5		1.812	mg	954966	119169
				supplier	Alloys	Silver	7440-22-4		0.076	mg	40030	4995
				supplier	Alloys	Copper	7440-50-8		0.009	mg	5004	624