



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*	2025-01-24
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*	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
STM32U073RBT6	725W*489XXXA	A	998Z	2025-01-24
	Amount	Unit of measure	Unit type	ST ECOPACK grade
	362	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	10x10	64	gull wing	
Comment	Package : 5W LQFP 64 10x10x1.4 1 0051434			

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-7th November 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	725W*489XXXA		362.2710		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	7.341	mg	supplier	die	Silicon (Si)	7440-21-3		7.057	mg	961313	19479.89025
				supplier	metallization	Aluminium (Al)	7429-90-5		0.014	mg	1907	38.64509898
				supplier	metallization	Copper (Cu)	7440-50-8		0.120	mg	16347	331.2437056
				supplier	metallization	Tantalum (Ta)	7440-25-7		0.039	mg	5313	107.6542043
				supplier	metallization	Titanium (Ti)	7440-32-6		0.001	mg	136	2.760364213
				supplier	metallization	Tungsten (W)	7440-33-7		0.001	mg	136	2.760364213
				supplier	Passivation	Silicon Nitride	12033-89-5		0.031	mg	4223	85.57129061
				supplier	Passivation	Silicon Oxide	7631-86-9		0.078	mg	10625	215.3084086
				Glue Epoxy (3230)	M-011 Other inorganic materials	0.402	mg	supplier	Metals	Silver	7440-22-4	
supplier	Plastics/polymers	2,2'-(Methylenebis(phenyleneoxymethylene))bisox	39817-09-9						0.012	mg	30000	33.30941912
supplier	Organic Compounds	Dihydro-3-(tetrapropenyl)furan-2,5-dione	26544-38-7						0.012	mg	30000	33.30941912
supplier	Organic Compounds	Epoxy resin	Proprietary						0.012	mg	30000	33.30941912
supplier	Organic Compounds	Dodecyltolerane	3234-28-4						0.012	mg	30000	33.30941912
supplier	SVHC	Hexahydromethylphthalic anhydride	25550-51-0						0.012	mg	30000	33.30941912
supplier	Organic Compounds	Epoxy resin modifier	Proprietary						0.012	mg	30000	33.30941912
supplier	Metallic compounds	Copper oxide	1317-38-0						0.002	mg	5000	5.551569853
Mold Compound (EME-G631SHQ)	M-011 Other inorganic materials	247.624	mg	supplier	Plastics/polymers	Epoxy Resin A	Proprietary		5.200	mg	21000	14354.15331
				supplier	Plastics/polymers	Epoxy Resin B	Proprietary		5.200	mg	21000	14354.15331
				supplier	Plastics/polymers	Phenol Resin	Proprietary		13.867	mg	56000	38277.74216
				supplier	Glass	Silica(Amorphous)A	60676-86-0		193.258	mg	780450	533461.8548
				supplier	Glass	Silica(Amorphous)B	7631-86-9		28.556	mg	115320	78824.80761
Wire (Au)	Bonding Wire	1.166	mg	supplier	Non-metals	Carbon Black	1333-86-4		1.543	mg	6230	4258.398816
				supplier	Metals	Gold	7440-57-5		1.166	mg	1000000	3219.73908
				supplier	Metals	Tin	7440-31-5		1.438	mg	1000000	3969.015786
Plating anode (Pure Tin)	M-011 Other inorganic materials	1.438	mg	supplier	Metals	Tin	7440-31-5		1.438	mg	1000000	3969.015786
				supplier	Metals	Phenol Resin	Proprietary		13.867	mg	56000	38277.74216
Leadframe (C194+Ag)	Copper & its alloys	104.300	mg	supplier	Metals	Copper	7440-50-8		101.400	mg	972200	279902.201
				supplier	Metals	Iron	7439-89-6		2.388	mg	22900	6593.047112
				supplier	Metals	Zinc	7440-66-6		0.156	mg	1500	431.8589812
				supplier	Non-Metals	Phosphorus	7723-14-0		0.031	mg	300	86.37179623
				supplier	Metals	Silver	7440-22-4		0.323	mg	3100	892.5085611