



## 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*	2024-03-25
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**

While STMicroelectronics has endeavored to provide information which is accurate and up to date, this document and its contents are provided on a strict 'as is' and 'as available' basis. STMicroelectronics disclaims all warranties, express or implied related to this document and its contents, including but not limited to implied warranties of completeness, truth, accuracy, merchantability, fitness for a particular purpose and non-infringement. ST shall have no responsibility and assumes no liability for any cost, loss or damage of any kind which could arise, directly or indirectly, from the use or inability to use this document and/or its contents.

**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
STM32H725VGT3	271L*483XXXZ	A	9991	2024-03-25
Amount	Unit of measure	Unit type	ST ECOPACK grade	
681	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	14x14	100	Gull wing	
Comment	Package : 1L LQFP 100 14x14x1.4 1 0086901			

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	271L*483XXZ		1287.7026		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	8.021	mg	supplier	die	Silicon (Si)	7440-21-3		7.659	mg	954831	5948
				supplier	metallization	Aluminium (Al)	7429-90-5		0.025	mg	3179	20
				supplier	metallization	Copper (Cu)	7440-50-8		0.165	mg	20531	128
				supplier	metallization	Cobalt (Co)	7440-48-4		0.001	mg	66	0
				supplier	metallization	Tantalum (Ta)	7440-25-7		0.023	mg	2848	18
				supplier	metallization	Tungsten (W)	7440-33-7		0.074	mg	9206	57
				supplier	Passivation	Silicon Nitride	12033-89-5		0.019	mg	2384	15
				supplier	Passivation	Silicon Oxide	7631-86-9		0.056	mg	6954	43
				Leadframe (C7025 + Ag)	Copper & its alloys	330.000	mg	supplier	Leadframe	Copper ( Cu )	7440-50-8	
supplier	Leadframe	Nickel ( Ni )	7440-02-0						9.834	mg	29800	7637
supplier	Leadframe	Silicon ( Si )	7440-21-3						2.145	mg	6500	1666
supplier	Leadframe	Magnesium ( Mg )	7439-95-4						0.495	mg	1500	384
supplier	Leadframe	Silver (Ag)	7440-22-4						1.551	mg	4700	1204
Glue Epoxy (EN-4900G)	Precious metals	1.381	mg	supplier	Glue or tape	Silver (Ag)	7440-22-4		1.043	mg	755000	810
				supplier	Glue or tape	Cresol Novolac Epoxy Resins	Proprietary		0.035	mg	25000	27
				supplier	Glue or tape	Bisphenol A Diacrylate	Proprietary		0.117	mg	85000	91
				supplier	Glue or tape	Dicyclopenteny group containing Acrylate	Proprietary		0.076	mg	55000	59
				supplier	Glue or tape	Butadiene copolymer	Proprietary		0.014	mg	10000	11
				supplier	Glue or tape	Polybutadiene epoxidized derivative	Proprietary		0.076	mg	55000	59
				supplier	Glue or tape	Peroxy Ketals	Proprietary		0.007	mg	5000	5
				supplier	Glue or tape	Substitutedalkoxyalkyl trimethoxysilane	Proprietary		0.007	mg	5000	5
				supplier	Glue or tape	Methacrylate multialkoxy substituted alkyl ester	Proprietary		0.007	mg	5000	5
Bonding wire (Cu)	Precious metals	1.400	mg	supplier	Bonding wire	Copper (Cu)	7440-50-8		1.352	mg	965500	1050
				supplier	Bonding wire	Palladium (Pd)	7440-05-3		0.043	mg	31000	34
				supplier	Bonding wire	Gold (Au)	7440-57-5		0.005	mg	3500	4
Encapsulation (EME-G631SH)	M-011 Other inorganic materials	935.400	mg	supplier	Molding Compound	2,2'-((3,3',5,5'-Tetramethyl-(1,1'-biphenyl)-4,4'-diylidene)bis(4-methylphenyl))propane	85954-11-6		37.416	mg	40000	29056
				supplier	Molding Compound	Epoxy resin	Proprietary		18.708	mg	20000	14528
				supplier	Molding Compound	Phenol Resin	Proprietary		70.155	mg	75000	54481
				supplier	Molding Compound	Silica(Amorphous) A	60676-86-0		663.666	mg	709500	515388
				supplier	Molding Compound	Silica(Amorphous) B	7631-86-9		140.310	mg	150000	108961
				supplier	Molding Compound	Carbon black	1333-86-4		5.145	mg	5500	3995
External Plating (Sn)	M-011 Other inorganic materials	11.500	mg	supplier	Matte Sn	Tin (Sn)	7440-31-5		11.499	mg	999900	8930
				supplier	Matte Sn	Impurities	Proprietary		0.001	mg	100	1