



## Materials Declaration Form

<b>IPC Form Type *</b>	1752 Distribute	<b>Version</b>	2
<b>Sectionals *</b>	Material Info Manufacturing Info	<b>Subsectionals *</b>	A-D <i>* : Required Field</i>

Supplier Information			
<b>Company Name *</b>	STMicroelectronics	<b>Response Date *</b>	2021-05-13
<b>Company Unique ID</b>	NL 008751171801		
<b>Authorized Representative *</b>	Antonella Lanzafame	<b>Representative Title</b>	AMS Material Declaration Champion
<b>Representative Phone *</b>	Refer to Supplier Comment section	<b>Representative Email *</b>	Refer to Supplier Comment section
<b>Supplier Comment</b>	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**

<b>Supplier Acceptance *</b>	true	<b>Legal Declaration *</b>	Standard
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**Legal Statement**

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	Mfr Site	Date
ST1PS01BJR	BZM0*UBA5BE5		SH1A	2021-05-13
	Amount	UoM	Unit type	ST ECOPACK Grade
	1.8	mg	Each	ECOPACK® 2

Manufacturing information				
J-STD-020 MSL Rating	Classification Temp	Nbr of Reflow Cycles		
Not Applicable	260	,		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy		Comment
Tin/Silver/Copper (SAC105)	Not Applicable	Copper Alloy	0	



Package Designator	Size	Nbr of instances	Shape	
BGA	1.17 x 1.17	9	Bulk solder	
Comment	M0 CSPS0.4 7-10			

QueryList : RoHS Directive 2011/65/EU- 8 June 2011 – Annex II amended by Delegated Directive 2015/863 - 31 March 2015	
Query	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 : ELV directive : 2000/53/EC amended 2020/363_ March 2020	
Query	Response
1 - Product(s) meets EU ELV requirement without any exemptions	true
2 - Product(s) meets EU ELV requirements by application of the selected exemption(s)	false
Exemption Id.	Description

QueryList : California Prop65 list, dated 19th March 2021			
Query			Response
1 - The product does not contain identified substance from California Prop 65 List, no exposure to consumers is foreseen			false
2 - The product is containing below substance(s) from California Prop 65 List, no exposure to consumers is foreseen			false
Substance	amount in product (mg)	Application	ppm in product

QueryList : Chinese RoHS , references : SJT 11364 – 2014 and GBT 26572 – 2014				
Query				Response
1 - Product(s) requires marking for the presence of restricted substances and must be marked with an Environmental Protection Use Period under China's Measures for Administration of the control of pollution by Electronic Information Products				false
2 - Product(s) is eligible for marking with the e code under China's Measures for Administration of the control of pollution by Electronic Information Products				false
Hasardous substance				
Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Hexavalent Chromium (Cr VI)	PBB & PBDE
O	O	O	O	O

QueryList : REACH-19th January 2021				
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
,				
2 - Product(s) does not contain REACH Substances Of Very High Concern in any Homogeneous Material above the limits per the definition within REACH				true
CategoryLevel_Name	CategoryLevel_Threshold	Amount in Homogeneous Material (mg)	Application - Homogeneous Material	ppm in Homogeneous Material
,				
,				

QueryList : Korea Chemical Control Act_ 27 Dec 2017 update				
Query				Response
The Product does contain at least one of the substances listed in Chemical Control Act				false
Substance present in device Homogeneous Material				
Substance	Homogeneous Material impacted	Content in Homogeneous Material (mg)	Concentration in the material(%)	Application Purpose

Material Composition Declaration						Mfr Item Name	BZM0*UBA5BES		2.2020		999999.0	1242275.0
Homogeneous Material	Material Group	Mass	UoM	Level	Substance Category	Substance	CAS	Exempt	Mass	UoM	Concentration in homogeneous material (ppm)	Concentration in product (ppm)
Die	M-011 Other inorganic materials	1.845	mg	supplier	die	Silicon(Si)	7440-21-3		1.339	mg	725745	725745
				supplier	metallisation	Aluminium(Al)	7429-90-5		0.011	mg	5962	5962
				supplier	metallisation	Copper(Cu)	7440-50-8		0.006	mg	3252	3252
				supplier	metallisation	Nickel(Ni)	7440-02-0		0.002	mg	1084	1084
				supplier	metallisation	Silver(Ag)	7440-22-4		0.004	mg	2168	2168
				supplier	metallisation	Tin(Sn)	7440-31-5		0.437	mg	236856	236856
				supplier	metallisation	Titanium(Ti)	7440-32-6		0.001	mg	542	542
				supplier	metallisation	Tungsten(W)	7440-33-7		0.001	mg	542	542
				supplier	passivation	Silicon Oxide	7631-86-9		0.020	mg	10840	10840
				supplier	polymer coating	polyimide	proprietary		0.024	mg	13008	13008
				supplier	bumps	Tin(Sn)	7440-31-5		0.437	mg	0	236856
				supplier	bumps	Silver(Ag)	7440-22-4		0.004	mg	0	2168
				supplier	bumps	Copper(Cu)	7440-50-8		0.002	mg	0	1084
				supplier	UBM	Copper(Cu)	7440-50-8		0.002	mg	0	1084
				supplier	UBM	Nickel(Ni)	7440-02-0		0.002	mg	0	1084
										mg		