



Materials Declaration Form

IPC Form Type *	1752 Distribute	Version	2
Sectionals *	Material Info Manufacturing Info	Subsectionals *	A-D

** : Required Field*

Supplier Information			
Company Name *	STMicroelectronics	Response Date *	2020-10-22
Company Unique ID	NL 008751171B01		
Contact Name *	Antonella Lanzafame	Contact Title	AMS MD Champion
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

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
LED1202JR	MJCQ*UBB3ABV	B	Z4DA	2020-10-22
	Amount	UoM	Unit type	ST ECOPACK Grade
	6.80	mg	Each	ECOPACK® 3
Comment	ECOPACK® 3 is STMicroelectronics trade name for ROHS compliant device without use of any ROHS exemption and without Halogen nor Antimony			

Manufacturing information				
J-STD-020 MSL Rating	Classification Temp	Nbr of Reflow Cycles		
1	260	3		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy		Comment
SACN125	Not Applicable	Not Applicable		



Package Designator	Size	Nbr of instances	Shape	
WAFER	2.7x2.5	N/A	flat	
Comment	01C1 WLCSP MSL1			

QueryList : RoHS Directive 2011/65/EU-July 2011 – Annex II amended by Directive 2015/863-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 2017/2096 _November 2017	
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 26th October 2018			
Query			Response
1 - The product does not contain identified substance from California Prop 65 List, no exposure to consumers is foreseen			TRUE
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 : REACH-16th July 2019				
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				NO
Substance present in device Homogeneous Material				
Substance	Homogeneous Material impacted	Concentration in the material(%)	Application Purpose	

Material Composition Declaration						Mfr Item Name	MJCQ*UBB3ABV		6.7987		199999.1	99999.0
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	6.549	mg	supplier	die	Silicon (Si)	7440-21-3		5.1227	mg	782246.9	753338
				supplier	metallisation	Aluminium (Al)	7429-90-5		0.011	mg	1679.7	1618
				supplier	metallisation	Copper (Cu)	7440-50-8		0.1	mg	15270.2	14706
				supplier	metallisation	Tantalum (Ta)	7440-25-7		0.032	mg	4886.5	4706
				supplier	metallisation	Titanium (Ti)	7440-32-6		0.001	mg	152.7	147
				supplier	metallisation	Tungsten (W)	7440-33-7		0.001	mg	152.7	147
				supplier	Passivation	Silicon Nitride (SiN)	12033-89-5		0.026	mg	3970.3	3824
				supplier	passivation	Silicon Oxide	7631-86-9		0.065	mg	9925.6	9559
				supplier	RDL	Titanium (Ti)	7440-32-6		0.003	mg	458.1	441
				supplier	RDL	Copper (Cu)	7440-50-8		0.14	mg	21378.3	20588
				supplier	UBM	Copper (Cu)	7440-50-8		0.027	mg	4123	3971
				supplier	UBM	Titanium (Ti)	7440-32-6		0.001	mg	152.7	147
				supplier	bumps	Tin (Sn)	7440-31-5		0.974	mg	148731.8	143235
				supplier	bumps	Silver (Ag)	7440-22-4		0.039	mg	5955.4	5735
				supplier	bumps	Copper (Cu)	7440-50-8		0.006	mg	916.2	882
Die attach	M-015 Other organic materials	0.251	mg	supplier	BSC Film	Silica	60676-86-0		0.180	mg	717131	26471
				supplier	BSC Film	Epoxy Resin	24969-06-0		0.020	mg	79681	2941
				supplier	BSC Film	Acrylic ester co-polymer	25133-97-5		0.020	mg	79681	2941
				supplier	BSC Film	Additive	Trade secret		0.020	mg	79681	2941
				supplier	BSC Film	Carbon black	1333-86-4		0.011	mg	43825	1618