



Materials Declaration Form

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

** : Required Field*

Supplier Information			
Company Name *	STMicroelectronics	Response Date *	2020-01-08
Contact Name *	Refer to Supplier comment section	Contact Title	Refer to Supplier comment section
Contact Phone *	Refer to Supplier comment section	Contact Email *	Refer to Supplier comment section
Authorized Representative *	Floriana SAN BIAGIO	Representative Title	AMS Material 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 *	Legal Declaration *	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
	CKQB*F922AR6	A	SH1A	2020-01-08
Amount	UoM	Unit type	ST ECOPACK Grade	
3.3	mg	Each	ECOPACK® 2	

Manufacturing information				
J-STD-020 MSL Rating	Classification Temp	Nbr of Reflow Cycles		
0	260	3		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
SACN125	Not Applicable	Not Applicable	0	



Package Designator	Size	Nbr of instances	Shape	
BGA	1.6 x 1.6	8	bulk solder	
Comment	QB CSPS0.5 7-10; MDF is valid for TS922EIJT			

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 13th September 2019			
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			TRUE
Substance	amount in product (mg)	Application	ppm in product
Nickel	0.002	die metalization	606

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

Material Composition Declaration					Mfr Item Name	CKQB*F922AR6		3.3020		3000000.0	1000606.0	
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	2.159	mg	supplier	die	Silicon(Si)	7440-21-3		2.140	mg	991200	648485
				supplier	metallisation	Aluminium(Al)	7429-90-5		0.006	mg	2779	1818
				supplier	metallisation	Copper(Cu)	7440-50-8		0.002	mg	926	606
				supplier	metallisation	Gold(Au)	7440-57-5		0.001	mg	463	303
				supplier	metallisation	Nickel(Ni)	7440-02-0		0.002	mg	926	606
				supplier	Passivation	Silicon Nitride (SiN)	12033-89-5		0.004	mg	1853	1212
				supplier	passivation	Silicon Oxide	7631-86-9		0.004	mg	1853	1212
				supplier	resin	Silica vitreous	60676-86-0		0.152	mg	482540	46061
				supplier	resin	Epoxy type resin	proprietary		0.055	mg	174603	16667
				supplier	resin	Acrylic type polymer	proprietary		0.055	mg	174603	16667
Underfill	M-015 Other organic materials	0.315	mg	supplier	resin	Bisphenol A diglycidyl ether	25036-25-3		0.019	mg	60317	5758
				supplier	resin	Carbon black	1333-86-4		0.002	mg	6349	606
				supplier	resin	Iron compound	7439-89-6		0.016	mg	50794	4848
				supplier	resin	Zinc compound	7440-66-6		0.016	mg	50794	4848
				supplier	solder alloy	Tin(Sn)	7440-31-5		0.814	mg	983092	246667
				supplier	solder alloy	Silver(Ag)	7440-22-4		0.010	mg	12077	3030
				supplier	solder alloy	Copper(Cu)	7440-50-8		0.004	mg	4831	1212
				supplier								
solder balls	Solder	0.828	mg	supplier	solder alloy	Tin(Sn)	7440-31-5		0.814	mg	983092	246667
				supplier	solder alloy	Silver(Ag)	7440-22-4		0.010	mg	12077	3030