



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*	2025-01-16
Authorized representative*	giovanni giacopello	Representative title	MDRF
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
<p>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.</p>			



Product				
Manufacturing item number	Manufacturing item name	Version	Manufacturing site	Date
STA8135GATR	FA38*MY20BCQ	A	959	2025-01-16
	Amount	Unit of measure	Unit type	ST ECOPACK grade
	175.0	mg	Each	ECOPACK® 2
Comment	ECOPACK® 2 is STMicroelectronics trade name for ROHS compliant device without Brominated and Chlorinated compound (900ppm) and without Antimony oxide flame retardant			

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	Not Applicable	Copper Alloy	DM00878655	
Package designator	Package Size	Number of instances	Shape	
Not Applicable	7x11x1.2	160	Bulk solder	
Comment	TFBGA 7X11X1.2 160 F16X10 0.65P. MDF valid for CPs: STA8135GA,STA8135GATR			

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 : ELV directive : 2000/53/EC amended 2020/363_ March 2020		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 29th December 2023			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	0.223	Die	1274

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
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		Response
The Product does contain at least one of the substances listed in Chemical Control Act		false



QueryList : Responsible metals sourcing				Response
QUERY				Response
The component is containing at least one of the following metals : Cobalt , Gold , Tantalum , Tin , Tungsten.				true
QueryList : China GB 33372-2020 Limit standard for volatile organic compounds content in adhesives - 4 March 2020 application date 1st December 2020				Response
The product contains adhesives identified under GB 33372				true
QueryList:Stockholm Convention Persistent Organic Pollutants				Response
Product is compliant with Stockholm Convention Persistent Organic Pollutants Annex I				true
QueryList:EUSRR Directive				Response
Product contains hazardous materials listed in EUSRR Annex II				True
PFAS/PTFE Declaration				Response
The product is containing at least one of the following PFAS substance: Polytetrafluoroethylene, Thiophenium, Triphenylsulfonium nonaflate, Trifluoroacetic anhydride				False
BPA Declaration				Response
Product does not contain Bisphenol A (Isopropylidenediphenol)				True
Montreal Protocol				Response
Product does not contain Ozone Depleting Substances based on Annex I to Annex VII of EU REGULATION (EC) No 1005/2009				True
Environmental Protection Agency:Toxic Substances Control Act (TSCA). Section 6(h)				Response
Product does not contain Phenol, isopropylated, phosphate (3:1)				True



Material composition declaration : note : Substance present with less 0.001mg will not be declared in this document						Manufacturing Item name	FA38*MY20BCQ						
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)	
Dies	M-011 Other inorganic materials	11.398	mg	supplier	die	Silicon(Si)	7440-21-3		10.493	mg	920601	59961	
				supplier	metallisation	Aluminium(Al)	7429-90-5		0.100	mg	8773	571	
				supplier	metallisation	Copper(Cu)	7440-50-8		0.297	mg	26057	1697	
				supplier	metallisation	Nickel(Ni)	7440-02-0		0.001	mg	88	6	
				supplier	metallisation	Tantalum(Ta)	7440-25-7		0.053	mg	4650	303	
				supplier	metallisation	Titanium(Ti)	7440-32-6		0.013	mg	1141	74	
				supplier	metallisation	Tungsten(W)	7440-33-7		0.002	mg	175	11	
				supplier	Passivation	Silicon Nitride (SiN)	12033-89-5		0.071	mg	6229	406	
				supplier	passivation	Silicon Oxide	7631-86-9		0.368	mg	32286	2103	
Substrate	M-015 Other organic materials	59.404	mg	supplier	laminare	Fiber glass	65997-17-3		13.666	mg	230051	78091	
				supplier	laminare	Amorphous silica	7631-86-9		10.575	mg	178018	60429	
				supplier	laminare	Epoxy type resin	proprietary		3.603	mg	60652	20589	
				supplier	laminare	Cyanate type resin	proprietary		2.401	mg	40418	13720	
				supplier	laminare	Chlorine trace	22537-15-1		0.003	mg	51	17	
				supplier	laminare	Other organic	proprietary		0.316	mg	5320	1806	
				supplier	laminare	Acrylic resin	9003-01-4		3.908	mg	65787	22331	
				supplier	laminare	Barium sulfate	7727-43-7		0.543	mg	9141	3103	
				supplier	laminare	Talc	14807-96-6		0.271	mg	4562	1549	
				supplier	laminare	Additive	proprietary		0.163	mg	2744	931	
				supplier	laminare	Copper(Cu)	7440-50-8		23.706	mg	399064	135463	
				California 65	laminare	Nickel(Ni)	7440-02-0		0.211	mg	3552	1206	
				supplier	laminare	Gold(Au)	7440-57-5		0.038	mg	640	217	
				Die attach-1	M-015 Other organic materials	2.448	mg	supplier	glue	Silver(Ag)	7440-22-4		2.152
supplier	glue	Neopentyl glycol dimethacrylate	1985-51-9						0.122	mg	49837	697	
supplier	glue	Diglycidyl phenyl allyl ether	EC417-470-1						0.122	mg	49837	697	
supplier	glue	Ditrimethylpropane tetraacrylate	94108-97-1						0.049	mg	20016	280	
supplier	glue	Hydroquinone	123-31-9						0.001	mg	408	6	
supplier	glue	Fluorine trace	14762-94-8						0.002	mg	817	11	
Bonding wire	M-008 Precious metals	1.782	mg	supplier	wire	Gold(Au)	7440-57-5		1.764	mg	989899	10080	
				supplier	wire	Palladium(Pd)	7440-05-3		0.018	mg	10101	103	
Encapsulation	M-015 Other organic materials	73.028	mg	supplier	mold compound	Silica vitreous	60676-86-0		60.613	mg	829997	346360	
				supplier	mold compound	Silica(Amorphous) B	7631-86-9		7.303	mg	100003	41731	
				supplier	mold compound	Carbon Black	1333-86-4		0.730	mg	9996	4171	
				supplier	mold compound	Epoxy Resin A	proprietary		2.191	mg	30002	12520	
				supplier	mold compound	Epoxy Resin A	proprietary		2.191	mg	30002	12520	
Solder balls	Solder	26.940	mg	supplier	solder alloy	Tin(Sn)	7440-31-5		25.948	mg	963178	148274	
				supplier	solder alloy	Silver(Ag)	7440-22-4		0.808	mg	29993	4617	
				supplier	solder alloy	Copper(Cu)	7440-50-8		0.162	mg	6013	926	
				California 65	solder alloy	Nickel(Ni)	7440-02-0		0.011	mg	408	63	
				supplier	solder alloy	Antimony(Sb)	7440-36-0		0.008	mg	297	46	
				SVHC	solder alloy	Lead(Pb)	7439-92-1		0.003	mg	111	17	
									mg				