



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 *	2024-09-10
Company Unique ID	NL 008751171B01		
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 MD CHAMPION	Representative Title	MDG MD 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 *	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
M24C08-GCT8TP/T	P7(V*2W080TV	A	9989	2024-09-10
	Amount	UoM	Unit type	ST ECOPACK Grade
	0.30	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 (in each organic material)		

Manufacturing information				
J-STD-020 MSL Rating	Classification Temp	Nbr of Reflow Cycles		 life.augmented
NAC	260	3		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
Tin/Silver/Copper (SAC305)	NAC	NAC		

Package Designator	Size	Nbr of instances	Shape	
BGA	NAC	4	No lead	
Comment	Package : (V THIN WLCSP - R 8166008			

QueryList : RoHS Directive 2011/65/EU-July 2011 – Annex II amended by Directive 2015/863-April 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 : REACH-27th June 2024				
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

Material Composition Declaration :						Mfr Item Name	P7(V*2W080TV				9000000.0	1000000.7
note : Substance present with less 0.001mg will not be declared in this document												
Homogeneous Material	Material Group	Mass	UoM	Level	Substance Category	Substance	CAS	Exempt	Mass	UoM	Concentration in homogeneous material (ppm)	Concentration in product (ppm)
Die or dies	M-011 Other inorganic materials	0.234	mg	supplier	die	Silicon (Si)	7440-21-3		0.221	mg	944444	735867
				supplier	metallization	Aluminium (Al)	7429-90-5		0.001	mg	4274	3330
				supplier	Passivation	Silicon Nitride	12033-89-5		0.001	mg	4274	3330
				supplier	Passivation	Silicon Oxide	7631-86-9		0.011	mg	47009	36627
PI1-HD4100	M-011 Other inorganic materials	0.003	mg	supplier	Plastics/polymers	PD-9 Resin	57987-55-0		0.002	mg	761905	7672
				supplier	Plastics/polymers	Tetraethylene Glycol Dimethacrylate	109-17-1		0.000	mg	142857	1438
				supplier	Plastics/polymers	4,4'-Oxydiphthalic Anhydride	1823-59-2		0.000	mg	47619	479
				supplier	Plastics/polymers	2-Hydroxyethyl Methacrylate	868-77-9		0.000	mg	47619	479
PI2-HD4100	M-011 Other inorganic materials	0.002	mg	supplier	Plastics/polymers	PD-9 Resin	57987-55-0		0.002	mg	709677	5274
				supplier	Plastics/polymers	Tetraethylene Glycol Dimethacrylate	109-17-1		0.000	mg	161290	1199
				supplier	Plastics/polymers	4,4'-Oxydiphthalic Anhydride	1823-59-2		0.000	mg	64516	479
				supplier	Plastics/polymers	2-Hydroxyethyl Methacrylate	868-77-9		0.000	mg	64516	479
RDL TI Target	M-011 Other inorganic materials	0.000	mg	Supplier	Alloy	Titanium	7440-32-6		0.000	mg	1000000	300
RDL Al Cu Target	M-011 Other inorganic materials	0.001	mg	Supplier	Alloy	Aluminium	7429-90-5		0.001	mg	975610	2664
				Supplier	Alloy	Copper	7440-50-8		0.000	mg	24390	67
UBM TI Target	M-011 Other inorganic materials	0.000	mg	Supplier	Alloy	Titanium	7440-32-6		0.000	mg	1000000	1498
UBM NiV Target	M-011 Other inorganic materials	0.003	mg	Supplier	Alloy	Nickel	7440-02-0		0.003	mg	917160	10322
				Supplier	Alloy	Vanadium	7440-62-2		0.000	mg	82840	932
UBM CuTarget	M-011 Other inorganic materials	0.007	mg	Supplier	Alloy	Copper	7440-50-8		0.007	mg	1000000	23641
Solderballs	M-011 Other inorganic materials	0.049	mg	Supplier	Alloy	Tin	7440-31-5		0.048	mg	981109	160825
				Supplier	Alloy	Silver	7440-22-4		0.001	mg	12188	1998
				Supplier	Alloy	Copper	7440-50-8		0.000	mg	6094	999
				Supplier	Alloy	Nickel	7440-02-0		0.000	mg	609	100