



Materials Declaration Form

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

Supplier Information			
Company Name *	STMicroelectronics	Response Date *	2016-12-19
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 *	Laurent TOSI	Representative Title	MDG MD CHAMPION
Representative Phone *	33 442 685 795	Representative Email *	laurent.tosi@st.com
Supplier Comment	Online Technical Support - STMicroelectronics : http://www.st.com/web/en/support/online_tech_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-FACT6TP/T	P7(V*4W080TA	A	9989	2016-12-19
	Amount	UoM	Unit type	ST ECOPACK Grade
	0.30	mg	Each	ECOPACK® 2

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	THIN WL CSP			

QueryList : RoHS Directive 2011/65/EU-July 2011 – Annex II amended by Directive 2015/863-April 2015	
Query	Response
Product(s) meets EU RoHS requirement without any exemptions	true
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
Product(s) meets EU RoHS requirements by application of the selected exemption(s)	false
Product(s) does not meet EU RoHS requirements and is not under exemptions	false
Product(s) is obsolete, no information is available	false
Product(s) is unknown, no information is available	false
Exemption Id.	Description

QueryList : REACH-20th June 2016				
Query				Response
The product 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*4W080TA					
Homogeneous Material	Material Group	Mass	UoM	Level	Substance Category	Substance	CAS	Exempt	Mass	UoM	Concentration in homogeneous material (ppm)	Concentration in product (ppm)
die (s)	Other inorganic materials	0.2340	mg	supplier	die	Silicon (Si)	7440-21-3		0.2200	mg	940171	733333
die (s)				supplier	metallization	Aluminium (Al)	7429-90-5		0.0010	mg	4274	3333
die (s)				supplier	metallization	Copper (Cu)	7440-50-8		0.0010	mg	4274	3333
die (s)				supplier	passivation	Silicon Oxide(SiO2)	7631-86-9		0.0010	mg	4274	3333
die (s)				supplier	passivation	Indium Tin oxide (In2O3:SnO2)	50926-11-9		0.0110	mg	47009	36667
Polymide 1	Other inorganic materials	0.0028	mg	Supplier	Polymers	PD-9 Resin	57987-55-0		0.0018	mg	642857	6000
Polymide 1				Supplier	Polymers	Trifluoroacetic Anhydride	407-25-0		0.0002	mg	71429	667
Polymide 1				Supplier	Polymers	Tetraethylene Glycol Dimethacrylate	109-17-1		0.0004	mg	142857	1333
Polymide 1				Supplier	Polymers	4,4-Oxydiphtalic Anhydride	1823-59-2		0.0002	mg	71429	667
Polymide 1				Supplier	Polymers	2-Hydroxyethyl Methacrylate	868-77-9		0.0002	mg	71429	667
Polymide 2	Other inorganic materials	0.0021	mg	Supplier	Polymers	PD-9 Resin	57987-55-0		0.0015	mg	704225	5000
Polymide 2				Supplier	Polymers	Trifluoroacetic Anhydride	407-25-0		0.0001	mg	61033	433
Polymide 2				Supplier	Polymers	Tetraethylene Glycol Dimethacrylate	109-17-1		0.0003	mg	140845	1000
Polymide 2				Supplier	Polymers	4,4-Oxydiphtalic Anhydride	1823-59-2		0.0001	mg	46948	333
Polymide 2				Supplier	Polymers	2-Hydroxyethyl Methacrylate	868-77-9		0.0001	mg	46948	333
RDL Ti Target	Other inorganic materials	0.0001	mg	Supplier	Alloy	Titanium	7440-32-6		0.0001	mg	1000000	300
RDL Al Cu Target	Other inorganic materials	0.0008	mg	Supplier	Alloy	Aluminium	7429-90-5		0.0008	mg	975610	2667
RDL Al Cu Target				Supplier	Alloy	Copper	7440-32-6		0.0000	mg	24390	67
UBM Ti Target	Other inorganic materials	0.0005	mg	Supplier	Alloy	Titanium	7440-50-8		0.0005	mg	1000000	1500
UBM NIV Target	Other inorganic materials	0.0034	mg	Supplier	Alloy	Nickel	7440-50-8		0.0031	mg	917160	10333
UBM NIV Target				Supplier	Alloy	Vanadium	7440-62-2		0.0003	mg	82840	933
UBM CuTarget	Other inorganic materials	0.0071	mg	Supplier	Alloy	Copper	7440-32-6		0.0071	mg	1000000	23667
Solderballs	Other inorganic materials	0.0492	mg	Supplier	Alloy	Tin	7440-31-5		0.0483	mg	981109	161000
Solderballs				Supplier	Alloy	Silver	7440-22-4		0.0006	mg	12188	2000
Solderballs				Supplier	Alloy	Copper	7440-50-8		0.0003	mg	6094	1000
Solderballs				Supplier	Alloy	Nickel	7440-02-0		0.0000	mg	609	100