



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 *	2017-05-22
Contact Name *	Refer to Supplier Comment section		Refer to Supplier Comment section
Authorized Representative *	Giuseppe Vitali Palma	Representative Title	ADG 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
	7BD1*106SBM1	A	3068	2017-05-22
Amount	UoM	Unit type	ST ECOPACK Grade	
1380.00	mg	Each	ECOPACK2	

Manufacturing information				
J-STD-020 MSL Rating	Classification Temp	Nbr of Reflow Cycles	 life.augmented	
1	245	3		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
NA	Tin (Sn), matte	Copper Alloy		

Package Designator	Size	Nbr of instances	Shape	
SIP	10.2-10.5-1.27	3	gull wing	
Comment	PACKAGE: D2PAK CLIP. MDF VALID FOR CPs: T1035H-6G, T1035H-6G-TR, T1035-6G, T1035-6G-TR			

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	FALSE
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)	TRUE
4 - Product(s) does not meet EU RoHS requirements and is not under exemptions	FALSE
Exemption Id.	Description
7a	Lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead)

Query : California Prop65 list, dated 27th January 2017			
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	0.17	Die back side metal	124
Lead	5.97	Soft solder	4328
Lead-Borate Glass	0.55	Die glass coating	399

QueryList : REACH-12th January 2017				
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 : note : Substance present with less 0.001mg will not be declared in this document						Mfr Item Name	7BD1*106SBM1		1380.0000			
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 (choose)	Other inorganic materials	7.116	mg	supplier	die	Silicon (Si)	7440-21-3		6.276	mg	881956	4548
				supplier	metallization	Gold (Au)	7440-57-5		0.024	mg	3373	17
				supplier	Passivation	Silicon Oxide	7631-86-9		0.036	mg	5059	26
				supplier	back side metallization	Gold (Au)	7440-57-5		0.008	mg	1124	6
				supplier	back side metallization	Nickel (Ni)	7440-02-0		0.171	mg	24030	124
				supplier	glass coating	Glass : Aluminium Oxide (Al2O3)	1344-28-1		0.051	mg	7167	37
				JIG - R	glass coating	Lead-Borate Glass	6597-18-4	7c-i-Electrical and e	0.550	mg	77291	399
Soft solder	Solder	6.490	mg	JIG - R	solder	Lead (Pb)	7439-92-1	7a-Lead in high mel	5.973	mg	920339	4328
				supplier	solder	Silver (Ag)	7440-22-4		0.162	mg	24961	117
				supplier	solder	Tin (Sn)	7440-31-5		0.323	mg	49769	234
				supplier	solder	flux residue	Proprietary		0.032	mg	4931	23
				supplier	mold compound	Silica, vitreous	60676-86-0		1009.626	mg	760000	731613
Encapsulation	Other Organic Materials	1328.455	mg	supplier	mold compound	Epoxy Cresol Novolak	29690-82-2		135.502	mg	102000	98190
				supplier	mold compound	Phenol resin	9003-35-4		79.707	mg	60000	57759
				supplier	mold compound	Others	Proprietary		66.423	mg	50000	48133
				supplier	mold compound	Metal hydroxide	Proprietary		26.569	mg	20000	19253
				supplier	mold compound	Carbon black	1333-86-4		10.628	mg	8000	7701
				supplier	solder alloy	Tin (Sn)	7440-31-5		6.314	mg	1000000	4575
Connections coating	Solder	6.314	mg	supplier	solder alloy	Tin (Sn)	7440-31-5		6.314	mg	1000000	4575
Clip	Copper & its alloys	31.625	mg	supplier	alloy	Copper (Cu)	7440-50-8		31.625	mg	1000000	22917