



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 *	2015-09-10
Contact Name *	Refer to Supplier Comment section		Refer to Supplier Comment section
Authorized Representative *	Rossana Bonaccorso	Representative Title	IPD 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	<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				
Mfr Item Number	Mfr Item Name	Version	Mfr Site	Date
ESDA6V1SC6Y	ACWB*EAY6V15	A	ZS1A	2015-09-10
Amount		UoM	Unit type	ST ECOPACK Grade
14.00		mg	Each	ECOPACK® 2

Manufacturing information				
J-STD-020 MSL Rating	Classification Temp	Nbr of Reflow Cycles	 life.augmented	
1	260	3		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
NAC	Tin (Sn), matte	Copper Alloy		

Package Designator	Size	Nbr of instances	Shape	
SOT	2.9,1.625,1.175	6	flat	
Comment	Package: SOT 23 - 6L			

QueryList : ROHS directive 2011/65/EU _ July 2011	
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
5 - Product(s) is obsolete, no information is available	false
6 - Product(s) is unknown, no information is available	false
Exemption Id.	Description

QueryList : REACH-15th June 2015				
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	ACWB*EAY6V15					
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	0.627	mg	supplier	die	Silicon (Si)	7440-21-3		0.595	mg	948882	42429
				supplier	metallization	Aluminium (Al)	7429-90-5		0.006	mg	9585	429
				supplier	Passivation	Silicon Nitride	12033-89-5		0.002	mg	3195	143
				supplier	Passivation	Silicon Oxide	7631-86-9		0.010	mg	15974	714
				supplier	back side metallization	Gold (Au)	7440-57-5		0.001	mg	1597	71
				supplier	back side metallization	Nickel (Ni)	7440-02-0		0.005	mg	7987	357
				supplier	polymer die coating	PIX1 Gamma-butyrolactone	96-48-0		0.008	mg	12780	571
				supplier	alloy	Copper(CU)	7440-50-8		5.944	mg	950584	424571
Leadframe	Copper and its alloy	6.253	mg	supplier	alloy	Iron(Fe)	7439-89-6		0.144	mg	23029	10286
				supplier	alloy	Iron Phosphide(FeP)	26508-33-8		0.005	mg	800	357
				supplier	alloy	Zinc(Zn)	7440-66-6		0.008	mg	1279	571
				supplier	metallization	Silver(Ag)	7440-22-4		0.152	mg	24308	10857
				supplier	glue	Silver(Ag)	7440-22-4		0.075	mg	735294	5357
Die attach	Other organic material	0.102	mg	supplier	glue	Acrylate monomer	Proprietary		0.015	mg	147059	1071
				supplier	glue	Acrylate oligomer	Proprietary		0.008	mg	78431	571
				supplier	glue	Bismaleimide resin	Proprietary		0.003	mg	29412	214
				supplier	glue	Epoxy resin	Proprietary		0.001	mg	9804	71
				supplier	wire	Gold (Au)	7440-57-5		0.016	mg	1000000	1143
Bonding wires	Other inorganic material	0.016	mg	supplier	silica fused	Silica Fused	60676-86-0		5.899	mg	866990	421357
				supplier	mold comp	Epoxy Resin	25068-38-6		0.544	mg	79953	38857
				supplier	mold comp	Phenol Resin	29690-82-2		0.340	mg	49971	24286
				supplier	mold comp	Carbon Black	1333-86-4		0.021	mg	3086	1500
Encapsulation	Other Organic Materials	6.804	mg	supplier	solder alloy	Tin (Sn)	7440-31-5		0.198	mg	1000000	14143
				supplier	solder alloy	Tin (Sn)	7440-31-5		0.198	mg	1000000	14143
Connections coating	Solder	0.198	mg	supplier	solder alloy	Tin (Sn)	7440-31-5		0.198	mg	1000000	14143