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Materials Declaration Form

IPC Form Type *	1752 Distribute	Version	2
Sectionals *	Material Info Manufacturing Info	Sectionals *	A-D *: Required Field

Supplier Information			
Company Name *	STMicroelectronics	Response Date *	2017-03-22
Contact Name *	Refer to Supplier Comment section		Refer to Supplier Comment section
Authorized Representative *	FLORIANA SAN BIAGIO	Representative Title	AMG 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
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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
	FO6S*UP63J51	A	Z8GA	2017-03-22
Amount	UoM	Unit type	ST ECOPACK Grade	
54.20	mg	Each	ECOPACK® 1	
	Comment	ECOPACK® or ECOPACK® 1 is STMicroelectronics trade name for ROHS compliant devices		

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

Package Designator	Size	Nbr of instances	Shape	
DSO	5X4.4X0.9	16	gull wing	
Comment	Package: 6S TSSOP 16 BODY 4.4 PITCH 0.65; MDF valid for STP08CP05TTR			

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-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						Mfr Item Name	FO65*UP63J51					
Homogeneous Material	Material Group	Mass	UoM	Level	Substance Category	Substance	CAS	Exempt	Mass	UoM	Concentration in homogeneous material (ppm)	Concentration in product (ppm)
Die	Other inorganic materials	1.149	mg	supplier	die	Silicon (Si)	7440-21-3		1.096	mg	953873	20221
				supplier	metallization	Aluminium (Al)	7429-90-5		0.011	mg	9574	203
				supplier	metallization	Tungsten (W)	7440-33-7		0.009	mg	7833	166
				supplier	Passivation	Silicon Nitride	12033-89-5		0.002	mg	1741	37
				supplier	Passivation	Silicon Oxide	7631-86-9		0.019	mg	16536	351
				supplier	polymer die coating	PIX1 Gamma-butyrolactone	96-48-0		0.012	mg	10444	221
Leadframe	Copper and its alloy	30.590	mg	supplier	alloy	Copper (Cu)	7440-50-8		28.690	mg	937888	529336
				supplier	alloy	Iron (Fe)	7439-89-6		0.692	mg	22622	12768
				supplier	alloy	Zinc (Zn)	7440-66-6		0.035	mg	1144	646
				supplier	alloy	Iron Phosphide (Fe2P)	7723-14-0		0.009	mg	294	166
				supplier	metallization	Silver(Ag)	7440-22-4		1.164	mg	38052	21476
				supplier	glue	Epoxy resin A	9003-36-5		0.026	mg	69705	480
Die Attach	Other organic materials	0.373	mg	supplier	glue	Epoxy resin B	68475-94-5		0.015	mg	40214	277
				supplier	glue	Silver(Ag)	7440-22-4		0.287	mg	769437	5295
				supplier	glue	Lactone	96-48-0		0.015	mg	40214	277
				supplier	glue	Polyoxypropylenediamine	9046-10-0		0.015	mg	40214	277
				supplier	glue	2,6-Diglycidyl phenyl allyl ether oligomer	Proprietary		0.015	mg	40214	277
				supplier	wire	Gold (Au)	7440-57-5		0.269	mg	1000000	4963
Encapsulation	Other inorganic materials	20.461	mg	supplier	molding compound	Epoxy Resin	Proprietary		1.841	mg	89976	33967
				supplier	molding compound	Silica fused (SiO2)	60676-86-0		17.187	mg	839988	317103
				supplier	molding compound	Phenol Resin	Proprietary		1.330	mg	65002	24539
				supplier	molding compound	Carbon Black	1333-86-4		0.103	mg	5034	1900
Finishmg	Other inorganic materials	1.359	mg	supplier	connection coating	Tin (Sn)	7440-31-5		1.359	mg	1000000	25074