



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 *	2013-05-22
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 *	Giuseppe Vitali Palma	Representative Title	AMS/IPD Materials Declaration 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/internet/com/support/online_tech_support.jsp		

Uncertainty Statement

While STMicroelectronics has endeavored to provide information which is accurate and up to date, this document and its contents are provided on a strict 'as is' and 'as available' basis. STMicroelectronics disclaims all warranties, express or implied related to this document and its contents, including but not limited to implied warranties of completeness, truth, accuracy, merchantability, fitness for a particular purpose and non-infringement. ST shall have no responsibility and assumes no liability for any cost, loss or damage of any kind which could arise, directly or indirectly, from the use or inability to use this document and/or its contents.


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
	F907*4871AR6	A	MU1A	2013-05-22
Amount	UoM	Unit type	ST ECOPACK Grade	
77.50	mg	Each	ECOPACK® 1	

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		
Not Applicable ; if coating is used	ium/Gold (Ni/Pd/Au) Tin/Bismuth (S	Copper Alloy		

Package Designator	Size	Nbr of instances	Shape	
DSO	4.85X3.9X1.52	8	gull wing	
Comment	PACKAGE: SO 08 .15 JEDEC			

QueryList : ROHS directive 2011/65/EU _ July 2011	
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-19 December 2012				
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	F907*4871AR6					
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	3.166	mg	supplier	die	Silicon (Si)	7440-21-3		3.088	mg	975363	40477
				supplier	metallization	Aluminium (Al)	7429-90-5		0.012	mg	3790	157
				supplier	passivation	Silicon Nitride (SiN)	68034-42-4		0.008	mg	2527	105
Leadframe	Copper & its alloys	32.348	mg	supplier	alloy	Silicon Oxide(SiO2)	7631-86-9		0.058	mg	18320	760
						Copper (Cu)	7440-50-8		32.259	mg	997249	422847
						Iron (Fe)	7439-89-6		0.015	mg	464	197
						Iron Phosphide (FeP)	26508-33-8		0.027	mg	835	354
				supplier	metallization	Nickel (Ni)	7440-02-0		0.044	mg	1360	577
						Palladium (Pd)	7440-05-3		0.001	mg	31	13
						Gold (Au)	7440-57-5		0.001	mg	31	13
Die attach	Other Organic Materials	0.738	mg	supplier	glue	Silver (Ag)	7440-22-4		0.001	mg	31	13
						Silver (Ag)	7440-22-4		0.554	mg	750678	7262
						Epoxy Cresol Novolak	29690-82-2		0.182	mg	246612	2386
						tert-butanol	75-65-0		0.001	mg	1355	13
						1-isopropyl-2,2-dimethyltrimethylene diisobut	6846-50-0		0.001	mg	1355	13
Bonding wire	Other inorganic materials	0.144		supplier	wire	Gold (Au)	7440-57-5		0.144	mg	1000000	1888
encapsulation	Other Organic Materials	41.103	mg	supplier	mold compound	Epoxy Cresol Novolak	29690-82-2		4.11	mg	99993	53873
						phenol resin	9003-35-4		2.055	mg	49996	26937
						Carbon Black	1333-86-4		0.411	mg	9999	5387
						Silica, vitreous	60676-86-0		32.883	mg	800015	431026
						Antimony Trioxide	1309-64-4		0.822	mg	19999	10775
						IG I	mold compound	Brominated epoxy resin	68928-70-1		0.822	mg