



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 *	2014-06-19
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 *	Antonella Lanzafame	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

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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
	AYOF*0124BJ6	A	SA1A	2014-06-19
Amount	UoM	Unit type	ST ECOPACK Grade	
25.00	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	
Not Applicable ; if coating is used o	Tin (Sn), matte	Copper Alloy		

Package Designator	Size	Nbr of instances	Shape	
QFN	3X3X0.9 1.7 16L	14	No lead	
Comment	VFQFPN 3x3x0.9 1.7 16L; MD valid for CP:LM2902Q4T.			

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-16th December 2013				
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	AYOF*0124B6					
Homogeneous Material	Material Group	Mass	UoM	Level	Substance Category	Substance	CAS	Exempt	Mass	UoM	Concentration in homogeneous material (ppm)	Concentration in product (ppm)
Silicon die	Other inorganic materials	1.286	mg	supplier	Silicon die	Silicon (Si)	7440-21-3		1.286	mg	1000000	51440
Lead frame	Copper and its alloys	9.947	mg	supplier	Alloy	Copper	7440-50-8		9.61	mg	966120	384400
Lead frame				supplier	Alloy	Iron	7439-89-6		0.224	mg	22519	8960
Lead frame				supplier	Alloy	Phosphorus	7723-14-0		0.002	mg	201	80
Lead frame				supplier	Alloy	Zinc	7440-66-6		0.012	mg	1206	480
Lead frame				supplier	Alloy	Silver	7440-22-4		0.099	mg	9953	3960
Die attach	Other organic materials	0.032	mg	supplier	Glue	Silver (Ag)	7440-22-4		0.024	mg	750000	960
Die attach				supplier	Glue	methylene diacrylate	42594-17-2		0.003	mg	93750	120
Die attach				supplier	Glue	Dicyclopentenloxyethyl methacrylate	68586-19-6		0.001	mg	31250	40
Die attach				supplier	Glue	Polymer of Polybutadiene + Anhydride	Proprietary		0.001	mg	31250	40
Die attach				supplier	Glue	Palladium (Pd)	7440-05-3		0.001	mg	31250	40
Die attach				supplier	Glue	Bis(alpha,dimethylbenzyl) peroxide	80-43-3		0.002	mg	62500	80
Bonding wire	Other inorganic materials	0.203	mg	supplier	Bonding wire	Gold (Au)	7440-57-5		0.203	mg	1000000	8120
Encapsulation	Other organic materials	13.42	mg	supplier	Molding compound	Silica fused	60676-86-0		12.573	mg	936885	502920
Encapsulation				supplier	Molding compound	Epoxy resin	Proprietary		0.403	mg	30030	16120
Encapsulation				supplier	Molding compound	Phenol resin	Proprietary		0.403	mg	30030	16120
Encapsulation				supplier	Molding compound	Carbon black	1333-86-4		0.041	mg	3055	1640
Finishing	Other inorganic materials	0.112	mg	supplier	Connection coating	Sn	7440-31-5		0.112	mg	1000000	4480