



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 *	2016-07-22
Contact Name *	Refer to Supplier Comment section		Refer to Supplier Comment section
Authorized Representative *	Rossana Bonaccorso	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

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	<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
BAL-WILC10-01D3	LD6(*BLWC10A	A	SH1A	2016-07-22
Amount		UoM	Unit type	ST ECOPACK Grade
1.084		mg	Each	ECOPACK® 2

Manufacturing information				
J-STD-020 MSL Rating	Classification Temp	Nbr of Reflow Cycles	 life.augmented	
NAC	260	3		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
Tin/Silver/Copper (SAC105)	Tin/Silver/Copper (Sn/Ag/Cu)	NAC		

Package Designator	Size	Nbr of instances	Shape
WAFER	1.036 - 1.036 - 0.4	4	NAC
Comment	Package: CSPG 0.4		

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-20th June 2016				
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	LD6(*BLWC10A					
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	0.827	mg	supplier	metallization	Aluminium (Al)	7429-90-5		0.004	mg	4837	3690
				supplier	metallization	Copper (Cu)	7440-50-8		0.096	mg	116082	88561
				supplier	metallization	Tantalum (Ta)	7440-25-7		0.006	mg	7255	5535
				supplier	glass coating	Borosilicate glass	65997-17-3		0.707	mg	854897	652214
				supplier	glass coating	Glass: Silicon Dioxide	7631-86-9		0.006	mg	7255	5533
				supplier	UBM	Copper (Cu)	7440-50-8		0.008	mg	9674	7380
Bump	Other inorganic materials	0.200	mg	supplier	bump	Tin (Sn)	7440-31-5		0.197	mg	985000	181734
				supplier	bump	Silver (Ag)	7440-22-4		0.002	mg	10000	1845
				supplier	bump	Copper (Cu)	7440-50-8		0.001	mg	5000	923
				supplier	alloy	Polyethylene terephthalate	25038-59-9		0.023	mg	403509	21218
Coating film	Other Organic Materials	0.057	mg	supplier	alloy	Silica, vitreous	60676-86-0		0.023	mg	403509	21218
				supplier	alloy	Epoxy resin	25068-38-6		0.005	mg	87719	4613
				supplier	alloy	Acrylic polymer	9003-01-4		0.005	mg	87719	4613
				supplier	alloy	Carbon black	1333-86-4		0.001	mg	17544	923
				supplier	alloy							