



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 *	2015-03-31
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 *	Flavio Di Francesco	Representative Title	AMS 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/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
	LDO7*1930ASW	A	BO2A	2015-03-31
Amount	UoM	Unit type	ST ECOPACK Grade	
80	mg	Each	ECOPACK® 2	

Manufacturing information				
J-STD-020 MSL Rating	Classification Temp	Nbr of Reflow Cycles		
1	260	3		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
ating is used or other bulk terminati	Tin (Sn), matte	Copper Alloy		



Package Designator	Size	Nbr of instances	Shape	
DSO	4.85 - 3.9 - 1.52	8	gull wing	
Comment	Package: SO 08 .15 JEDEC ; MD valid for TS393IYDT			

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-17th December 2014				
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	LDO7*1930ASW					
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	0.649	mg	supplier	die	Silicon (Si)	7440-21-3		0.628	mg	967643	7850
				supplier	metallization	Aluminium (Al)	7429-90-5		0.003	mg	4622	38
				supplier	passivation	Silicon Nitride (SiN)	12033-89-5		0.002	mg	3082	25
				supplier	passivation	Silicon Oxide(SiO2)	7631-86-9		0.016	mg	24653	200
Leadframe	Copper & its alloys	30.795	mg	supplier	alloy	Copper (Cu)	7440-50-8		29.934	mg	972041	374175
				supplier	alloy	Iron (Fe)	7439-89-6		0.704	mg	22861	8800
				supplier	alloy	Iron Phosphide (FeP)	26508-33-8		0.042	mg	1364	525
				supplier	alloy	Zinc (Zn)	7440-66-6		0.037	mg	1201	463
				supplier	metallization	Nickel (Ni)	7440-02-0		0.071	mg	2306	888
				supplier	metallization	Palladium (Pd)	7440-05-3		0.005	mg	162	63
Bonding wire	Other inorganic materials	0.500	mg	supplier	metallization	Gold (Au)	7440-57-5		0.002	mg	65	25
				supplier	wire	Copper (Cu)	7440-50-8		0.500	mg	1000000	6250
encapsulation	Other inorganic materials	48.056	mg	supplier	mold compound	Silica, vitreous	60676-86-0		42.145	mg	876998	526813
				supplier	mold compound	Epoxy resin A	EC 413-900-7		1.922	mg	39995	24025
				supplier	mold compound	Epoxy resin B	29690-82-2		1.922	mg	39995	24025
				supplier	mold compound	phenol resin	Proprietary		1.442	mg	30007	18025
				supplier	mold compound	carbon black	1333-86-4		0.144	mg	2997	1800
				supplier	mold compound	additive	Proprietary		0.481	mg	10009	6013