



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 *	2017-02-09
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	AMG 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
TS972IDT	LDO7*0462AR6	A	BO2A	2017-02-09
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	
Not Applicable ; if coating is used or other bulk termination : add in comments	Tin (Sn), matte, annealed	Copper Alloy		



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

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-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	LDO7*0462AR6					
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	0.694	mg	supplier	die	Silicon (Si)	7440-21-3		0.689	mg	992795	8613
				supplier	metallization	Aluminium (Al)	7429-90-5		0.002	mg	2882	25
				supplier	passivation	Silicon Nitride (SiN)	12033-89-5		0.002	mg	2882	25
				supplier	passivation	Silicon Oxide(SiO2)	7631-86-9		0.001	mg	1441	13
Leadframe	Copper & its alloys	34.544	mg	supplier	alloy	Copper (Cu)	7440-50-8		33.434	mg	967867	417925
				supplier	alloy	Iron (Fe)	7439-89-6		0.786	mg	22754	9825
				supplier	alloy	Iron Phosphide (FeP)	26508-33-8		0.047	mg	1361	588
				supplier	alloy	Zinc (Zn)	7440-66-6		0.041	mg	1187	513
				supplier	metallization	Silver (Ag)	7440-22-4		0.236	mg	6832	2950
Die attach		0.323	mg	supplier	glue or tape (choose)	Silver (Ag)	7440-22-4		0.294	mg	910217	3675
				supplier	glue or tape	acrylate	Proprietary		0.016	mg	49536	200
				supplier	glue or tape	Methacrylate	Proprietary		0.013	mg	40248	163
Bonding wire	Other inorganic materials	0.043	mg	supplier	wire	Copper (Cu)	7440-50-8		0.043	mg	1000000	538
encapsulation	Other Organic materials	43.367	mg	supplier	mold compound	Silica, vitreous	60676-86-0		38.032	mg	876980	475400
				supplier	mold compound	Epoxy resin A	EC 413-900-7		1.735	mg	40007	21688
				supplier	mold compound	Epoxy resin B	29690-82-2		1.735	mg	40007	21688
				supplier	mold compound	phenol resin	29690-82-2		1.301	mg	30000	16263
				supplier	mold compound	carbon black	1333-86-4		0.130	mg	2998	1625
				supplier	mold compound	additive	Proprietary		0.434	mg	10008	5425