



## Materials Declaration Form

<b>IPC Form Type *</b>	<b>1752</b> Distribute	<b>Version</b>	<b>2</b>
<b>Sectionals *</b>	Material Info Manufacturing Info	<b>Subsectionals *</b>	A-D <i>* : Required Field</i>

Supplier Information			
<b>Company Name *</b>	<b>STMicroelectronics</b>	<b>Response Date *</b>	<b>2016-02-19</b>
<b>Contact Name *</b>	Refer to Supplier Comment section		Refer to Supplier Comment section
<b>Authorized Representative *</b>	<b>Floriana San Biagio</b>	<b>Representative Title</b>	<b>AMG MD CHAMPION</b>
<b>Representative Phone *</b>	Refer to Supplier Comment section	<b>Representative Email *</b>	Refer to Supplier Comment section
<b>Supplier Comment</b>	Online Technical Support - STMicroelectronics : <a href="http://www.st.com/web/en/support/support.html">http://www.st.com/web/en/support/support.html</a>		

**Uncertainty Statement**

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**Legal Statement**

<b>Supplier Acceptance *</b>	<b>true</b>	<b>Legal Declaration *</b>	<b>Standard</b>
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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
	MD6P*0393BF6	A	BO2A	2016-02-19
	Amount	UoM	Unit type	ST ECOPACK Grade
	34.885	mg	Each	ECOPACK® 3
	Comment	ECOPACK® 3 is STMicroelectronics trade name for ROHS compliant device without use of any ROHS exemption and without Halogen nor Antimony		

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	
NAC	Nicke/Palladium/Gold (Ni/Pd/Au)	Copper Alloy		

Package Designator	Size	Nbr of instances	Shape	
DSO	4.4x3x0.9	8	gull wing	
Comment	Package: 6P TSSOP 8 BODY 4.4 PITCH 0.65; MDF valid for LM2903HYPT			

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
Exemption Id.	Description

QueryList : REACH-17th December 2015				
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	MD6P*0393BF6					
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	0.551	mg	supplier	die	Silicon (Si)	7440-21-3		0.539	mg	978221	15451
				supplier	metallization	Aluminium (Al)	7429-90-5		0.004	mg	7260	115
				supplier	Passivation	Silicon Nitride	12033-89-5		0.002	mg	3630	57
				supplier	Passivation	Silicon Oxide	7631-86-9		0.003	mg	5445	86
				supplier	glass coating	Glass: Silicon Dioxide	7631-86-9		0.003	mg	5445	86
Leadframe	Copper & its alloys	13.864	mg	supplier	alloy	Copper (Cu)	7440-50-8		12.537	mg	904284	359381
				supplier	alloy	Nickel (Ni)	7440-02-0		0.391	mg	28203	11208
				supplier	alloy	Magnesium (Mg)	7439-95-4		0.020	mg	1443	573
				supplier	alloy	Silicon (Si)	7440-21-3		0.085	mg	6131	2437
				supplier	metallization	Nickel (Ni)	7440-02-0		0.285	mg	20557	8170
				supplier	metallization	Palladium (Pd)	7440-05-3		0.018	mg	1298	516
				supplier	metallization	Gold (Au)	7440-57-5		0.008	mg	577	229
				supplier	metallization	Silver (Ag)	7440-22-4		0.520	mg	37507	14906
				supplier	glue	Silver (Ag)	7440-22-4		0.206	mg	876596	5905
				supplier	glue	Isobornyl Methacrylate	7534-94-3		0.012	mg	51064	344
Die attach	Other Organic Materials	0.235	mg	supplier	glue	Urethane Methacrylate Resin	5888-33-5		0.012	mg	51064	344
				supplier	glue	Acrylate polymer	87320-05-6		0.005	mg	21277	143
				supplier	wire	Copper (Cu)	7440-50-8		0.065	mg	1000000	1863
Encapsulation	Other Organic Materials	20.170	mg	supplier	mold compound	Silica, vitreous	60676-86-0		17.688	mg	876946	507037
				supplier	mold compound	Epoxy resin	85954-11-6		0.807	mg	40010	23133
				supplier	mold compound	Epoxy	29690-82-2		0.807	mg	40010	23133
				supplier	mold compound	phenol resin	Proprietary		0.605	mg	29995	17343
				supplier	mold compound	additive	Proprietary		0.202	mg	10015	5790
				supplier	mold compound	carbon black	1333-86-4		0.061	mg	3024	1749