



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 *	2016-02-29
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 *	Floriana San Biagio	Representative Title	AMG 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/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
	FB6P*0393BF6	A	ZY1A	2016-02-29
Amount	UoM	Unit type	ST ECOPACK Grade	
34.88	mg	Each	ECOPACK® 3	

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	
DSO	4.4x3x0.9	8	gull wing	
Comment	Package: 6P TSSOP 8 BODY 4.4 PITCH 0.65; MDF valid for LM2903YPT			

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-17th December 2015				
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	FB6P*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	0.627	mg	supplier	die	Silicon (Si)	7440-21-3		0.617	mg	984051	17689
Die			mg	supplier	metallization	Aluminium (Al)	7429-90-5		0.005	mg	7974	143
Die			mg	supplier	passivation	Silicon Nitride (SiN)	12033-89-5		0.002	mg	3190	57
Die			mg	supplier	passivation	Silicon Oxide(SiO2)	7631-86-9		0.003	mg	4785	86
Leadframe	Copper and its alloy	16.194	mg	supplier	alloy	Copper (Cu)	7440-50-8		15.289	mg	944115	438331
Leadframe			mg	supplier	alloy	Iron (Fe)	7439-89-6		0.369	mg	22786	10579
Leadframe			mg	supplier	alloy	Zinc (Zn)	7440-66-6		0.018	mg	1112	516
Leadframe			mg	supplier	alloy	Phosphorus (P)	7723-14-0		0.005	mg	309	143
Leadframe			mg	supplier	coating	Silver(Ag)	7440-22-4		0.513	mg	31678	14708
Die attach	Other organic materials	0.342	mg	supplier	glue	Epoxy resin A	9003-36-5		0.024	mg	70175	688
Die attach			mg	supplier	glue	Iron (Fe)	7439-89-6		0.014	mg	40936	401
Die attach			mg	supplier	glue	Silver(Ag)	7440-22-4		0.262	mg	766082	7511
Die attach			mg	supplier	glue	Iron Phosphide (Fe2P)	1310-43-6		0.014	mg	40936	401
Die attach			mg	supplier	glue	Polyoxypropylenediamine	9046-10-0		0.014	mg	40936	401
Die attach			mg	supplier	glue	2,6-Diglycidyl phenyl allyl ether oligomer	EC 417-470-1		0.014	mg	40936	401
Bonding wire	Precious metals	0.140	mg	supplier	bonding wire	Gold (Au)	7440-57-5		0.140	mg	1000000	4014
Encapsulation	Other inorganic materials	16.687	mg	supplier	molding compound	Epoxy Resin	Proprietary		1.252	mg	75028	35894
Encapsulation			mg	supplier	molding compound	Silica fused (SiO2)	60676-86-0		14.683	mg	879907	420958
Encapsulation			mg	supplier	molding compound	Carbon Black	1333-86-4		0.084	mg	5034	2408
Encapsulation			mg	supplier	molding compound	Phenol Resin	Proprietary		0.668	mg	40031	19151
Finishing	Other inorganic materials	0.891	mg	supplier	connection coating	Tin (Sn)	7440-31-5		0.891	mg	1000000	25545