



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 *	2016-05-27
Contact Name *	Refer to Supplier Comment section		Refer to Supplier Comment section
Authorized Representative *	Floriana San Biagio	Representative Title	AMG MD CHAMPION
Representative Phone *	Refer to Supplier Comment section		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

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
	EB6P*3702AAW	A	ZY1A	2016-05-27
Amount	UoM	Unit type	ST ECOPACK Grade	
34.88	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		
1	260	3		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
NAC	Tin (Sn), matte, annealed	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 TS3702IPT			

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	EB6P*3702AAW					
note : Substance present with less 0.001mg will not be declared in this document												
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	1.038	mg	supplier	die	Silicon (Si)	7440-21-3		1.012	mg	974952	29014
				supplier	metallization	Aluminium (Al)	7429-90-5		0.004	mg	3854	115
				supplier	Passivation	Silicon Nitride	12033-89-5		0.003	mg	2890	86
				supplier	Passivation	Silicon Oxide	7631-86-9		0.019	mg	18304	545
				supplier	alloy	Copper (Cu)	7440-50-8		14.936	mg	944121	428211
Leadframe	Copper & its alloys	15.820	mg	supplier	alloy	Iron (Fe)	7439-89-6		0.360	mg	22756	10321
				supplier	alloy	Phosphorus (P)	12185-10-3		0.005	mg	316	143
				supplier	alloy	Zinc (Zn)	7440-66-6		0.018	mg	1138	516
				supplier	metallization	Silver (Ag)	7440-22-4		0.501	mg	31669	14364
				supplier	glue	Epoxy resin A	9003-36-5		0.024	mg	71429	688
Die attach	Other Organic Materials	0.336	mg	supplier	glue	Epoxy resin B	68475-94-5		0.014	mg	41667	401
				supplier	glue	Silver(Ag)	7440-22-4		0.256	mg	761905	7339
				supplier	glue	Gamma Butyrolactone	96-48-0		0.014	mg	41667	401
				supplier	glue	Polyoxypropylenediamine	9046-10-0		0.014	mg	41667	401
				supplier	glue	2,6-Diglycidyl phenyl allyl ether oligomer	EC 417-470-1		0.014	mg	41667	401
Bonding wires	Precious metals	0.137	mg	supplier	wire	Gold (Au)	7440-57-5		0.137	mg	1000000	3928
Encapsulation	Other Organic Materials	16.300	mg	supplier	mold compound	Epoxy Resin	Proprietary		1.223	mg	75031	35063
				supplier	mold compound	Silica fused (SiO2)	60676-86-0		14.343	mg	879939	411210
				supplier	mold compound	Carbon Black	1333-86-4		0.082	mg	5031	2351
				supplier	mold compound	Phenol Resin	Proprietary		0.652	mg	40000	18693
connections coating	Solder	1.249	mg	supplier	solder alloy	Tin (Sn)	7440-31-5		1.249	mg	1000000	35808