



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 *	29-09-2017
Company Unique ID	NL 008751171B01		
Contact Name *	Refer to Supplier Comment section		Refer to Supplier Comment section
Contact Phone *	Refer to Supplier Comment section	Contact Email *	Refer to Supplier Comment section
Authorized Representative *	MDG MD CHAMPION	Representative Title	MDG 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/web/en/support/support.html		

Uncertainty Statement			
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Legal Statement			
Supplier Acceptance *	true	Legal Declaration *	Standard
Legal Statement	<p>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.</p>		

Product				
Mfr Item Number	Mfr Item Name	Version	Mfr Site	Date
STM32L041K6T7	B25V*425XXXX	A	9988	29-09-2017
	Amount	UoM	Unit type	ST ECOPACK Grade
	181.12	mg	Each	ECOPACK® 2
	Comment	ECOPACK® 2 is STMicroelectronics trade name for ROHS compliant device without Brominated and Chlorinated compound (900ppm) and without Antimony oxide flame retardant (in each organic material)		

Manufacturing information				
J-STD-020 MSL Rating	Classification Temp	Nbr of Reflow Cycles		 life.augmented
3	260	3		
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
Not Applicable; if coating is used or other bulk termination	Tin (Sn), matte	Copper Alloy		

Package Designator	Size	Nbr of instances	Shape	
QFP	7X7X1.4	#REF!	L Bend	
Comment	Package : 5V LQFP 32 7x7x1.4 1 0060661			

QueryList : RoHS Directive 2011/65/EU-July 2011 – Annex II amended by Directive 2015/863-April 2015	
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- 7th July 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	B25V*425XXXX				5.999999.0	0.0
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_ or dies	M-011 Other inorganic materials	4.860	mg	supplier	die	Silicon (Si)	7440-21-3		4.709	mg	968930	26000
				supplier	metallization	Aluminium (Al)	7429-90-5		0.013	mg	2675	72
				supplier	metallization	Copper (Cu)	7440-50-8		0.044	mg	9053	243
				supplier	metallization	Tantalum (Ta)	7440-25-7		0.005	mg	1029	28
				supplier	metallization	Titanium (Ti)	7440-32-6		0.007	mg	1440	39
				supplier	Passivation	Silicon Nitride	12033-89-5		0.012	mg	2469	66
				supplier	Passivation	Silicon Oxide	7631-86-9		0.070	mg	14403	386
Die Attach Epoxy_ABLEBOND 3230_H	M-011 Other inorganic materials	0.908	mg	Supplier	Metals	Silver	7440-22-4		0.818	mg	901000	4517
				Supplier	Plastics/polymers	Highly cross-linked polymer	Proprietary		0.090	mg	99000	496
Mold Compound_EME-G700E_Sumit	M-011 Other inorganic materials	120.287	mg	Supplier	Plastics/polymers	Epoxy Resin	Proprietary		5.924	mg	50000	32706
				Supplier	Plastics/polymers	Phenol Resin	Proprietary		5.924	mg	50000	32706
				Supplier	Plastics/polymers	Silica(Amorphous)A	60676-86-0		94.474	mg	782123	-478382
				Supplier	Glass	Silica(Amorphous)B	7631-86-9		13.237	mg	111732	73087
				Supplier	Additives	Carbon Black	1333-86-4		0.728	mg	6145	4020
Wire_Au HA3_HERAUS	Bonding Wire	0.465	mg	Supplier	Metals	Gold	7440-57-5		0.465	mg	1000000	2570
Plating anode_Pure Tin_Nuo Nengda	M-011 Other inorganic materials	0.719	mg	Supplier	Metals	Tin	7440-31-5		0.719	mg	1000000	3969
Leadframe_C194+Ag_MITSUI	Copper & its alloys	53.878	mg	Supplier	Metals	Copper	7440-50-8		51.814	mg	961700	286083
				Supplier	Metals	Iron	7439-89-6		1.223	mg	22700	6753
				Supplier	Metals	Zinc	7440-66-6		0.081	mg	1500	446
				Supplier	Non-metals	Phosphorus	7723-14-0		0.016	mg	300	89
				Supplier	Metals	Silver	7440-22-4		0.744	mg	13800	4105