



Materials Declaration Form


IPC Form Type *	1752 Distribute	Version	2
Sectionals *	Material Info Manufacturing Info	Sectionals *	A-D * : Required Field

Supplier Information			
Company Name *	STMicroelectronics	Response Date *	2017-09-20
Company Unique ID	NL 008751171B01		
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 Material 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	
	<p>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.</p>
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
	CKN5*V788ADJ	A	SH1A	2017-09-20
Amount	UoM	Unit type	ST ECOPACK Grade	
3	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	
Not Applicable	Not Applicable	Not Applicable	
bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment
Tin/Silver/Copper (SAC105)	Not Applicable	Not Applicable	



life.augmen

Package Designator	Size	Nbr of instances	Shape
WAFER	1.656x1.265x0.6	10	Not Applicable
Comment	Package: N5 C5PS0.4 BP 5-16; MDF valid for STC3115AIJT		

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	CKN5*V788ADJ		0.038		1000000	1013660
Homogeneous Material	Material Group	Mass	UoM	Level	Substance Category	Substance	CAS	Exempt	Mass	UoM	Concentration in homogeneous material (ppm)	Concentration in product (ppm)
Die	M-011 Other inorganic materials	3.038	mg	supplier	die	Silicon (Si)	7440-21-3		2.329	mg	766623	776333
				supplier	metallisation	Aluminium (Al)	7429-90-5		0.006	mg	1975	2000
				supplier	metallisation	Copper (Cu)	7440-50-8		0.023	mg	7571	7667
				supplier	metallisation	Tantalum (Ta)	7440-25-7		0.005	mg	1646	1667
				supplier	metallisation	Titanium (Ti)	7440-32-6		0.002	mg	658	667
				supplier	Passivation	Silicon Nitride (SiN)	12033-89-5		0.007	mg	2304	2333
				supplier	passivation	Silicon Oxide	7631-86-9		0.023	mg	7571	7667
				supplier	die polymer coating	Silica, vitreous	60676-86-0		0.132	mg	43450	44000
				supplier	die polymer coating	epoxy resin	25068-38-6		0.009	mg	2962	3000
				supplier	die polymer coating	Acrylic polymer	Proprietary		0.008	mg	2633	2667
				supplier	die polymer coating	Bis-phenol A diglycidyl ether	25036-25-3		0.005	mg	1646	1667
				supplier	UBM	Copper (Cu)	7440-50-8		0.017	mg	5596	5667
				supplier	UBM	Nickel (Ni)	7440-02-0		0.009	mg	2962	3000
				supplier	bumps	Tin (Sn)	7440-31-5		0.456	mg	150099	152000
				supplier	bumps	Silver (Ag)	7440-22-4		0.005	mg	1646	1667
				supplier	bumps	Copper (Cu)	7440-50-8		0.002	mg	658	667