



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 *	2020-11-16
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 *	giovanni giacopello	Representative Title	ADG 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

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
SM30T26CAY	AHZK*TYB026M	A	9941	2020-11-16
	Amount	UoM	Unit type	ST ECOPACK Grade
	250	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
1	260	3		
Bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
Not Applicable	Tin (Sn), matte, annealed	Copper Alloy	CD00358745	

Package Designator	Size	Nbr of instances	Shape	
CHP	6.88,5.97,2.15	2	flat	
Comment	SMC CLIP (SOD 15 NEW)			

QueryList : RoHS Directive 2011/65/EU-July 2011 Annex II amended by Directive 2015/863-March 2015	
Query	Response
1 - Product(s) meets EU RoHS requirement without any exemptions	FALSE
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)	TRUE
4 - Product(s) does not meet EU RoHS requirements and is not under exemptions	FALSE
Exemption Id.	Description
7a	Lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead)

QueryList : ELV directive : 2000/53/EC amended 2020/363_ March 2020	
Query	Response
1 - Product(s) meets EU ELV requirements without any exemptions	FALSE
2 - Product(s) meets EU RoHS requirements by application of the selected exemption(s)	TRUE
Exemption Id.	Description
8e	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead)

QueryList : California Prop65 list, dated 3rd January 2020			
Query			Response
1 - The product does not contain identified substance from California Prop 65 List, no exposure to consumers is foreseen			FALSE
2 - The product is containing below substance(s) from California Prop 65 List, no exposure to consumers is foreseen			TRUE
Substance	amount in product (mg)	Application	ppm in product
Nickel	0.10	die	384
Lead	4.13	soft solder	16516

QueryList : REACH-25th June 2020				
Query				Response
1 - Product(s) does not contain REACH Substances Of Very High Concern above the limits per the definition within REACH				FALSE
CategoryLevel_Name	CategoryLevel_Threshold	amount in product (mg)	Application	ppm in product
Lead	1000 ppm	4.13	Soft solder	16516
2 - Product(s) does not contain REACH Substances Of Very High Concern in any Embedded article nor Homogeneous Material above the limits per the definition within REACH				FALSE
CategoryLevel_Name	CategoryLevel_Threshold	Amount in Embedded Article / Homogeneous Material (mg)	Application - Article / Homogeneous Material	ppm in Article /Homogeneous Material
Lead	1000 ppm	4.129	Soft solder	920419

Responsible metals sourcing	
Query	Response
The component is containing at least one of the following metals : Cobalt , Gold , Tantalum , Tin , Tungsten.	true
The following metals are present is the component :	Gold, Tin, Tungsten,
This product is in the scope of the responsible metals sourcing, its compliance is covered by our company processes .	

Material Composition Declaration :						Mfr Item Name	AHZK*TYB026M					
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	M-011 Other inorganic materials	9.525	mg	supplier	die	Silicon(Si)	7440-21-3		9.059	mg	951076	36236
				supplier	metallisation	Aluminium(Al)	7429-90-5		0.088	mg	9239	352
				supplier	metallisation	Gold(Au)	7440-57-5		0.050	mg	5249	200
				supplier	metallisation	Nicke(Ni)	7440-02-0		0.096	mg	10079	384
				supplier	metallisation	Titanium(Ti)	7440-32-6		0.008	mg	840	32
				supplier	metallisation	Tungsten(W)	7440-33-7		0.013	mg	1365	52
				supplier	passivation	Silicon oxide	7631-86-9		0.052	mg	5459	208
				supplier	polymer coating	Durimide	proprietary		0.159	mg	16693	636
Leadframe & clip	M-004 Copper and its alloys	88.531	mg	supplier	alloy & coating	Copper(Cu)	7440-50-8		88.488	mg	999514	353952
				supplier	alloy & coating	Iron(Fe)	7439-89-6		0.009	mg	102	36
				supplier	alloy & coating	Phosphorus metal	7723-14-0		0.030	mg	339	120
				supplier	alloy & coating	Zinc(Zn)	7440-66-6		0.004	mg	45	16
Soft solder	Solder	4.486	mg	SVHC	solder	Lead(Pb)	7439-92-1	7a-Lead in high melting temper	4.129	mg	920419	16516
				supplier	solder	Tin(Sn)	7440-31-5		0.223	mg	49710	892
				supplier	solder	Silver(Ag)	7440-22-4		0.112	mg	24967	448
				supplier	solder	dry flux residue	proprietary		0.022	mg	4904	88
Encapsulation	M-011 Other inorganic materials	145.350	mg	supplier	mold compound	Amorphous silica	7631-86-9		128.634	mg	884995	514536
				supplier	mold compound	Epoxy Cresol Novolac	29690-82-2		8.721	mg	60000	34884
				supplier	mold compound	Phenolic resin	9003-35-4		6.541	mg	45002	26164
				supplier	mold compound	Carbon black	1333-86-4		0.581	mg	3997	2324
				supplier	mold compound	Magnesium oxide	1309-48-4		0.291	mg	2002	1164
				supplier	mold compound	Aluminium hydroxide	21645-51-2		0.291	mg	2002	1164
connections coating	Solder	2.108	mg	supplier	mold compound	Mercaptopropyl trimethoxysilane	4420-74-0		0.291	mg	2002	1164
				supplier	solder alloy	Tin (Sn)	7440-31-5		2.108	mg	1000000	8432