



Materials Declaration Form

IPC	1752	Version	2
Form Type *	Distribute		
Sectionals *	Material Info Manufacturing Info	Subsectionals *	A-D

** : Required Field*

Supplier Information			
Company Name *	STMicroelectronics	Response Date *	2020-03-26
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 Giacobello	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

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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
ESDAXLC6-1BT2Y	ADPK*V1Y6EA1	A	P1C7	2020-03-26
	Amount	UoM	Unit type	ST ECOPACK Grade
	0.80	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	Gold (Au)	Nickel (Ni)	CD00386157	

Package Designator	Size	Nbr of instances	Shape	
SOT	1 - 0.6 - 0.4	2	flat	
Comment	SOD882T - 1x0.6x0.4 2LDS			

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	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 : ELV directive : 2000/53/EC amended 2017/2096 _November 2017	
Query	Response
1 - Product(s) meets EU ELV requirements without any exemptions	TRUE
2 - Product(s) meets EU RoHS requirements by application of the selected exemption(s)	FALSE
Exemption Id.	Description

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	0.0047	leadframe	5813

QueryList : REACH-16th January 2020				
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
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				TRUE
CategoryLevel_Name	CategoryLevel_Threshold	Amount in Embedded Article / Homogeneous Material (mg)	Application - Article / Homogeneous Material	ppm in Article /Homogeneous Material

Material Composition Declaration :						Mfr Item Name	ADPK*V1Y6EA1					
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	0.010	mg	supplier	die	Silicon(Si)	7440-21-3		0.00900	mg	891089	11250
				supplier	metallisation	Aluminium(Al)	7429-90-5		0.00070	mg	69307	875
				supplier	passivation	Silicon oxide	7631-86-9		0.00040	mg	39604	500
Leadframe	M-006 Nickel and its alloys	0.005	mg	supplier	alloy & coating	Nickel(Ni)	7440-02-0		0.00465	mg	928144	5813
				supplier	alloy & coating	Silver (Ag)	7440-22-4		0.00026	mg	51896	325
				supplier	alloy & coating	Gold(Au)	7440-57-5		0.00010	mg	19960	125
Die attach	M-011 Other inorganic materials	0.007	mg	supplier	tape	Silver (Ag)	7440-22-4		0.00571	mg	878462	7138
				supplier	tape	Amine Polymer	28630-26-4		0.00052	mg	80000	650
				supplier	tape	aniline	67784-74-1		0.00007	mg	10769	88
Bonding wires	M-008 Precious metals	0.012	mg	supplier	tape	epoxy resin	Proprietary		0.00020	mg	30769	250
				supplier	wire	Gold (Au)	7440-57-5		0.01200	mg	1000000	15000
				supplier	mold compound	silica vitreous	60676-86-0		0.67368	mg	879030	842100
Encapsulation	M-011 Other inorganic materials	0.766	mg	supplier	mold compound	Phenolic resin	Proprietary		0.03525	mg	45995	44063
				supplier	mold compound	Biphenyl epoxy resin	85954-11-6		0.02758	mg	35987	34475
				supplier	mold compound	carbon black	1333-86-4		0.00153	mg	1996	1913
				supplier	mold compound	Zinc oxide	20427-58-1		0.00077	mg	1005	960
				supplier	mold compound	Biphenyl epoxy resin	85954-11-6		0.02758	mg	35987	34475