



Materials Declaration Form

IPC	1752	Version	2
Form Type *	Distribute		
Sectionals *	Material Info Manufacturing Info	Subsectionals *	A-D <i>*: Required Field</i>

Supplier Information			
Company Name *	STMicroelectronics	Response Date *	2021-12-01
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 *	Antonella Lanzafame	Representative Title	AMS 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


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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
TDA7266	CDV2*L095BA6	A	BO2A	2021-12-01
	Amount	UoM	Unit type	ST ECOPACK Grade
	5600	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
Not Applicable	Not Applicable	,		
Bulk Solder Termination	Terminal Plating	Terminal Base Alloy	Comment	
Not Applicable	0	Copper Alloy	,	

Package Designator	Package Size	Nbr of instances	Shape	
ZIP	20 x 10.7	15	0	
Comment	V2 MULTIWATT 15L SPLIT VERT.			

QueryList : RoHS Directive 2011/65/EU - 8 June 2011 -- Annex II amended by Delegated Directive 2015/863 - 31 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	true
2 - Product(s) meets EU RoHS requirements by application of the selected exemption(s)	false
Exemption Id.	Description

QueryList : California Prop65 list, dated 19th March 2021			
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	0.041	alloy	7
Lead	2.850	solder	509
Antimony trioxide	23.149	molding	4134

QueryList : Chinese RoHS , references : SJT 11364 -- 2014 and GB 26572 -- 2014				
Query	Response			
1 - Product(s) requires marking for the presence of restricted substances and must be marked with an Environmental Protection Use Period under China's Measures for Administration of the control of pollution by Electronic Information Products	true			
2 - Product(s) is eligible for marking with the e code under China's Measures for Administration of the control of pollution by Electronic Information Products	false			
Hasardous substance				
Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Hexavalent Chromium (Cr VI)	PBB & PBDE
X	O	O	O	O
Die attach				
Homogeneous Material(s) containing Lead				

QueryList : REACH-8th July 2021				
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
.	0			
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	2.85	Die attach	975026
.	0		.	

QueryList : 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 in the component :	Gold, Tin,
This product is in the scope of the responsible metals sourcing, its compliance is covered by our company processes	

QueryList : Korea Chemical Control Act_ 27 Dec 2017 update				
Query	Response			
The Product does contain at least one of the substances listed in Chemical Control Act	true			
Substance	Homogeneous Materials impacted	Content in Homogeneous Materials (mg)	Concentration (%)	Application Purpose
Bromine	Encapsulation	8.724	0.75	

China GB 33372-2020 Limit standard for volatile organic compounds content in adhesives - 4 March 2020 application date 1st December 2020	
Query	Response
The product contains adhesives identified under GB 33372	false

Stockholm Convention Persistent Organic Pollutants	
Query	Response
Product is compliant with Stockholm Convention Persistent Organic Pollutants Annex I	true

Material Composition Declaration : note : Substance present with less 0.001mg will not be declared in this document						Mfr Item Name	CDV2*L0958A6	5600.0000		5000000.0	1000003.0	
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	6.311	mg	supplier	die	Silicon(Si)	7440-21-3		6.085	mg	964190	1087
				supplier	metallisation	Aluminium(Al)	7429-90-5		0.093	mg	14736	17
				supplier	metallisation	Chromium(Cr)	7440-47-3		0.005	mg	792	1
				supplier	metallisation	Copper(Cu)	7440-50-8		0.000	mg	0	0
				supplier	metallisation	Cobalt(Co)	7440-48-4		0.000	mg	0	0
				supplier	metallisation	Gallium nitride	25617-97-4		0.000	mg	0	0
				supplier	metallisation	Germanium(Ge)	7440-56-4		0.000	mg	0	0
				supplier	metallisation	GeSbTe	proprietary		0.000	mg	0	0
				supplier	metallisation	Gold(Au)	7440-57-5		0.012	mg	1901	2
				supplier	metallisation	Iridium oxide	12030-49-8		0.000	mg	0	0
				supplier	metallisation	Iron(Fe)	7439-89-6		0.000	mg	0	0
				supplier	metallisation	Lanthane(La)	7439-91-0		0.000	mg	0	0
				supplier	metallisation	Lithium(Li)	7439-93-2		0.000	mg	0	0
				supplier	metallisation	Lithium cobalt oxide	12190-79-3		0.000	mg	0	0
				supplier	metallisation	Lithium phosphate	10377-52-3		0.000	mg	0	0
				supplier	metallisation	Manganese(Mn)	7439-96-5		0.000	mg	0	0
				supplier	metallisation	Molybdenum(Mo)	7439-98-7		0.000	mg	0	0
				supplier	metallisation	Nickel(Ni)	7440-02-0		0.041	mg	6497	7
				supplier	metallisation	Palladium(Pd)	7440-05-3		0.000	mg	0	0
				supplier	metallisation	Platinum(Pt)	7440-06-4		0.000	mg	0	0
				supplier	metallisation	Silver(Ag)	7440-22-4		0.000	mg	0	0
				supplier	metallisation	Tantalum(Ta)	7440-25-7		0.000	mg	0	0
				supplier	metallisation	Tin(Sn)	7440-31-5		0.000	mg	0	0
				supplier	metallisation	Titanium(Ti)	7440-32-6		0.000	mg	0	0
				supplier	metallisation	Tungsten(W)	7440-33-7		0.000	mg	0	0
				supplier	metallisation	Vanadium(V)	7440-62-2		0.000	mg	0	0
				supplier	metallisation	Zirconium(Zr)	7440-67-7		0.000	mg	0	0
					SVHC	Passivation	Lead(Pb)	7439-92-1	0.000	mg	0	0
					supplier	Passivation	Barium titanate	12047-27-7	0.000	mg	0	0
					supplier	Passivation	Hafniumoxide	12055-23-1	0.000	mg	0	0
					California 65	Passivation	IndiumTinOxide	50926-11-9	0.000	mg	0	0
					supplier	Passivation	Silicon nitride(SiN)	12033-89-5	0.026	mg	4120	5
					supplier	passivation	Silicon oxide	7631-86-9	0.049	mg	7764	9
	supplier	passivation	Sapphire	1317-82-4	0.000	mg	0	0				
	supplier	passivation	Strontium titanate	12060-59-2	0.000	mg	0	0				
	SVHC	passivation	Lead Zirconate Titanate(PZT)	12626-81-2	0.000	mg	0	0				
	supplier	glass	AluminiumOxide	1344-28-1	0.000	mg	0	0				
	JIG-R & California 65	glass	Lead-BorateGlass	65997-18-4	0.000	mg	0	0				
	supplier	glass	Borosilicateglass	65997-17-3	0.000	mg	0	0				
	supplier	glass	Glass:PotassiumOxide	12136-45-7	0.000	mg	0	0				
	supplier	glass	Glass:SodiumOxide	1313-59-3	0.000	mg	0	0				
	supplier	glass	Quartz	14808-60-7	0.000	mg	0	0				
	supplier	polymer coating	Polymer resist-Benzocyclobutene(BCB)	694-87-1	0.000	mg	0	0				
	supplier	polymer coating	BCB	124221-30-3	0.000	mg	0	0				
	supplier	polymer coating	PBOpolybenzoxazol	29791-96-6	0.000	mg	0	0				
	supplier	polymer coating	Polymer resist-ASAHI	proprietary	0.000	mg	0	0				
	supplier	polymer coating	Polymer resist(Blackresist)	proprietary	0.000	mg	0	0				
	supplier	polymer coating	Polymer resist(color,planar,ulens)	proprietary	0.000	mg	0	0				
	supplier	polymer coating	Polymer resist(Glue)	proprietary	0.000	mg	0	0				
	supplier	polymer coating	PVDC(polyvinylidenechloride)	9002-85-1	0.000	mg	0	0				
	supplier	polymer coating	PolyimideAH1200	proprietary	0.000	mg	0	0				
	supplier	polymer coating	EpoxideBisphenolAResin	25068-38-6	0.000	mg	0	0				
Leadframe	M-004 Copper and its alloys	4432.793	mg	supplier	alloy	Copper(Cu)	7440-50-8		4426.870	mg	998664	790513
				supplier	alloy	Iron phosphide	26508-33-8		3.723	mg	840	665
				supplier	alloy	Iron(Fe)	7439-89-6		2.039	mg	460	364
	supplier	metallization	Silver (Ag)	7440-22-4		0.161	mg	36	29			
Die attach	M-011 Other inorganic materials	2.923	mg	SVHC	glue	Lead(Pb)	7439-92-1	7a-Lead in high melting temper	2.850	mg	975026	509
				supplier	glue	Silver(Ag)	7440-22-4		0.044	mg	15053	8
				supplier	glue	Tin(Sn)	7440-31-5		0.029	mg	9921	5

Bonding wires	M-004 Copper and its alloys	0.519	mg	supplier	wire	Copper(Cu)	7440-50-8		0.519	mg	1000000	93
Encapsulation	M-011 Other inorganic materials	1157.454	mg	supplier	mold compound	Silica vitreous	60676-86-0		829.895	mg	717000	148196
				supplier	mold compound	Epoxy Cresol Novolac	29690-82-2		196.767	mg	170000	35137
				supplier	mold compound	Phenol resin	9003-35-4		83.337	mg	72000	14882
				supplier	mold compound	Brominated epoxy resin	40039-93-8		17.362	mg	15000	3100
				supplier	mold compound	Antimony trioxide	1309-64-4		23.149	mg	20000	4134
				supplier	mold compound	Bismuth (Bi)	7440-69-9		3.472	mg	3000	620
				supplier	mold compound	Carbon black	1333-86-4		3.472	mg	3000	620